PROGRAM OF STUDIES

2020-2021

PITTSFIELD MIDDLE HIGH SCHOOL

23 Oneida Street, Pittsfield, NH 03263
P: 603.435.6701   F: 603.435.7087
www.pittsfieldnhschools.org
TABLE OF CONTENTS

Pittsfield School District Mission ................................................................. 1
Letter from Career Readiness ................................................................. 2
Graduation Requirements and Diploma Types ................................................. 3
Suggested Course Sequence ........................................................................ 4
Post-Secondary Education ........................................................................... 5
Testing ........................................................................................................... 6
Academic Programs ...................................................................................... 7
Academic Information ................................................................................... 8
Course Information .................................................................................... 11
Parent Questions and Concerns ................................................................. 14

COURSE DESCRIPTIONS:

Advisory ........................................................................................................ 15
Business/Information & Communication Technologies .................................... 15
English ......................................................................................................... 16
Fine Arts Instruction
  Art ............................................................................................................ 18
  Music ....................................................................................................... 20
Health and Wellness Education
  Health ...................................................................................................... 20
  Family and Consumer Sciences ................................................................. 21
  Physical Education .................................................................................. 21
Mathematics .................................................................................................. 22
Science ......................................................................................................... 25
Social Studies .............................................................................................. 27
World Language ............................................................................................ 30
Other Courses .............................................................................................. 30
Driver Education ........................................................................................... 31
Concord Regional Technical Center Course Descriptions ............................. 32
Statement of Non-Discrimination ................................................................... 42
VISION:
We are a public school district that graduates engaged learners in preparation for confident and competent citizenship.

MISSION:
We seek to help our learners become actively engaged in their learning through practices that:

- Demonstrate acceptance and respect of individual differences (respect)
- Support all learners (equity)
- Prioritize active, hands-on, real-world transferable learning experiences (authenticity)
- Provide options for goal achievement (personalization)
- Partner with families and community (collaboration)
- Recognize the necessity of continuous improvement (high standards)
- Maximize available resources (prudence)
- Celebrate success (recognition)

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LEARNING
As actively engaged owners of their learning, our students are fully supported in their development of knowledge, skills, and talents necessary for post-secondary success in families, communities, and workplaces.

SOCIAL & EMOTIONAL DEVELOPMENT
Our students are provided with readily accessible supports for social and emotional development that enhance their current school experiences and prepare them for future success.

SCHOOL CLIMATE
All members of our school community feel safe, respected, and valued within a positive, friendly learning environment.

ORGANIZATIONAL EFFECTIVENESS
Systems are well-defined, highly efficient, and maximized by the school community in support of rigorous student learning.

FAMILY & COMMUNITY ENGAGEMENT
The district is committed to creating and sustaining school and district cultures that welcome, invite, and promote family and community partnerships to the benefit of student learning.
February 2020

Dear PMHS Students and Families,

This Pittsfield Middle High School Program of Studies is intended to provide you with essential information for planning next year’s academic schedule. The importance of careful planning and consideration cannot be stressed enough.

Please take time to study the course descriptions provided, and plan to discuss your thoughts about your options with your parents, advisor, classroom teachers, and Director of Career Readiness. Make sure to give careful consideration to your academic needs and make use of the support and advice available to you. Most colleges require students whose high school transcript includes four years of English and mathematics, at least three credits of science and social studies, and at least two credits of the same world language. Additionally, they look for well-rounded students who are involved in various co-curricular and extracurricular activities. It is important to distinguish the difference between selecting courses that fulfill only the minimum requirements for a PMHS diploma as opposed to taking advantage of courses that can help you to further your post-secondary education and life goals. Now is the time to begin to think about your future.

In this year’s program of studies, a number of classes offer dual enrollment for both high school and college credit. Additional dual enrollment classes are available online through eStart courses offered through the Community College System of New Hampshire. This program includes the Virtual Learning Academy Charter School (VLACS), as well as updated information on new opportunities for juniors and seniors at Concord Regional Technical Center.

On behalf of the Career Readiness team, we encourage you to utilize every opportunity that PMHS has to offer. It is our mission to help you succeed by preparing you for life after high school. Best wishes for a successful and productive 2020-2021 school year!

Sincerely,

Melissa Brown,
Director, Career Readiness
GRADUATION REQUIREMENTS & DIPLOMA TYPES

DIPLOMA TYPES: Pittsfield Middle High School offers two diploma types. The PMHS diploma requires 21.25 credits, including community service. The district diploma is the minimum required courses mandated by the state of New Hampshire Department of Education. The difference being the district diploma requires only .5 credit of ninth grade social studies, no third year of science, six elective credits and no community service.

PMHS Graduation Requirements

<table>
<thead>
<tr>
<th>Credits</th>
<th>Curriculum Area</th>
<th>Prescribed Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>English/Language Arts</td>
<td>English 9, 10, 11 and 12*</td>
</tr>
<tr>
<td>3</td>
<td>Mathematics***</td>
<td>Algebra, 2 Additional Math Courses*</td>
</tr>
<tr>
<td>3</td>
<td>Science</td>
<td>Biology, Physical Science, 1 Additional Science Credit</td>
</tr>
<tr>
<td>3</td>
<td>Social Studies</td>
<td>Geopolitical Studies, Economics, US History, American Government</td>
</tr>
<tr>
<td>1</td>
<td>Physical Education</td>
<td>Physical Education, Lifetime Fitness Activities, IPEP</td>
</tr>
<tr>
<td>0.5</td>
<td>Fine Arts</td>
<td>Band, Beginning Guitar, Chorus, Principles of Art &amp; Design</td>
</tr>
<tr>
<td>0.5</td>
<td>Health</td>
<td>Health</td>
</tr>
<tr>
<td>0.5</td>
<td>Information &amp; Communication Technology**</td>
<td>Desktop Publishing, Digital Art, Yearbook</td>
</tr>
<tr>
<td>5.5</td>
<td>Electives</td>
<td>Credits from any of the offered courses</td>
</tr>
<tr>
<td>0.25</td>
<td>Community Service Hours</td>
<td>40 hours required</td>
</tr>
</tbody>
</table>

21.25 TOTAL CREDITS REQUIRED FOR GRADUATION

***See specified Math-Related Courses (noted MRC). Students are required by NH state law to be enrolled in a Mathematics or Math-Related course each year they are in high school. All CRTC courses are approved Math-Related Courses (MRC).

*Running Start (dual enrollment) courses are available for 12th grade English and College Algebra (11th or 12th grade).
**Graphic Design and Computer Engineering offered at the Concord Regional Technical Center are accepted ICT courses.

District Diploma Requirements

<table>
<thead>
<tr>
<th>Credits</th>
<th>Curriculum Area</th>
<th>Prescribed Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>English/Language Arts</td>
<td>English 9, 10, 11 and 12*</td>
</tr>
<tr>
<td>3</td>
<td>Mathematics***</td>
<td>Algebra, 2 Additional Math Courses*</td>
</tr>
<tr>
<td>2</td>
<td>Science</td>
<td>Biology, Physical Science</td>
</tr>
<tr>
<td>2.5</td>
<td>Social Studies</td>
<td>Geopolitical Studies, Economics, US History, American Government</td>
</tr>
<tr>
<td>1</td>
<td>Physical Education</td>
<td>Physical Education, Lifetime Fitness Activities, IPEP</td>
</tr>
<tr>
<td>0.5</td>
<td>Fine Arts</td>
<td>Band, Beginning Guitar, Chorus, Principles of Art &amp; Design</td>
</tr>
<tr>
<td>0.5</td>
<td>Health</td>
<td>Health</td>
</tr>
<tr>
<td>0.5</td>
<td>Information &amp; Communication Technology**</td>
<td>Desktop Publishing, Digital Art, Yearbook</td>
</tr>
<tr>
<td>6</td>
<td>Electives</td>
<td>Credits from any of the offered courses</td>
</tr>
</tbody>
</table>

20 TOTAL CREDITS REQUIRED FOR GRADUATION

***See specified Math-Related Courses (noted MRC). Students are required by NH state law to be enrolled in a Mathematics or Math-Related course each year they are in high school. All CRTC courses are approved Math-Related Courses (MRC).

*Running Start (dual enrollment) courses are available for 12th grade English and College Algebra (11th or 12th grade).
**Graphic Design and Computer Engineering offered at the Concord Regional Technical Center are accepted ICT courses.
**SUGGESTED COURSE SEQUENCES**

### SUGGESTED COURSE SEQUENCE: STANDARD

<table>
<thead>
<tr>
<th>GRADE 9</th>
<th>GRADE 10</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Credits</strong></td>
<td><strong>Courses</strong></td>
</tr>
<tr>
<td>1</td>
<td>English 9</td>
</tr>
<tr>
<td>1</td>
<td>Math Foundations; Algebra I; Geometry; Algebra II</td>
</tr>
<tr>
<td>1</td>
<td>Biology</td>
</tr>
<tr>
<td>1</td>
<td>Geopolitical Studies</td>
</tr>
<tr>
<td>0.5</td>
<td>Physical Education</td>
</tr>
<tr>
<td>0.5</td>
<td>Health</td>
</tr>
<tr>
<td>0.5</td>
<td>Information &amp; Communication Technologies (ICT)</td>
</tr>
</tbody>
</table>

**GRADE 11**

<table>
<thead>
<tr>
<th>GRADE 12</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Credits</strong></td>
</tr>
<tr>
<td>1</td>
</tr>
<tr>
<td>1</td>
</tr>
<tr>
<td>1</td>
</tr>
<tr>
<td>1</td>
</tr>
<tr>
<td>2</td>
</tr>
</tbody>
</table>

**Credits**

<table>
<thead>
<tr>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Credit</td>
</tr>
<tr>
<td>English 1</td>
</tr>
<tr>
<td>Algebra I, Geometry; Statistics; Algebra II</td>
</tr>
<tr>
<td>Biology</td>
</tr>
<tr>
<td>Geopolitical Studies</td>
</tr>
<tr>
<td>Physical Education</td>
</tr>
<tr>
<td>Health</td>
</tr>
<tr>
<td>World Language I</td>
</tr>
</tbody>
</table>

**NOTE:** This is a suggested guideline. Scheduling conflicts may not allow for all students to follow exact program.

### SUGGESTED COURSE SEQUENCE: COLLEGE PREP & NH SCHOLARS

<table>
<thead>
<tr>
<th>GRADE 9</th>
<th>GRADE 10</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Credits</strong></td>
<td><strong>Courses</strong></td>
</tr>
<tr>
<td>1</td>
<td>English 9</td>
</tr>
<tr>
<td>1</td>
<td>Algebra I, Geometry; Statistics; Algebra II</td>
</tr>
<tr>
<td>1</td>
<td>Biology</td>
</tr>
<tr>
<td>1</td>
<td>Geopolitical Studies</td>
</tr>
<tr>
<td>0.5</td>
<td>Physical Education</td>
</tr>
<tr>
<td>0.5</td>
<td>Health</td>
</tr>
<tr>
<td>1</td>
<td>World Language I</td>
</tr>
<tr>
<td>0.5</td>
<td>Information &amp; Communication Technologies (ICT)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>GRADE 11</th>
<th>GRADE 12</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Credits</strong></td>
<td><strong>Courses</strong></td>
</tr>
<tr>
<td>1</td>
<td>English 11</td>
</tr>
<tr>
<td>1</td>
<td>Statistics; Algebra II; College Algebra; Advanced Math; Intro to Calculus</td>
</tr>
<tr>
<td>1</td>
<td>Chemistry</td>
</tr>
<tr>
<td>1</td>
<td>US History</td>
</tr>
<tr>
<td>1</td>
<td>World Language III</td>
</tr>
<tr>
<td>1</td>
<td>Open Elective</td>
</tr>
</tbody>
</table>

**Credits**

<table>
<thead>
<tr>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Credit</td>
</tr>
<tr>
<td>English 1</td>
</tr>
<tr>
<td>Algebra I, Geometry; Statistics; Algebra II</td>
</tr>
<tr>
<td>Biology</td>
</tr>
<tr>
<td>Geopolitical Studies</td>
</tr>
<tr>
<td>Physical Education</td>
</tr>
<tr>
<td>Health</td>
</tr>
<tr>
<td>World Language I</td>
</tr>
</tbody>
</table>

**NOTE:** This is a suggested guideline. Scheduling conflicts may not allow for all students to follow exact program.

*This guideline indicates the general course requirements for most four-year colleges. Whereas college requirements vary, it is imperative to review each school for specific course requirements, minimum GPA and SAT scores.*

For specific NH Scholars requirements, review the NH Scholars program planner

**NOTE:** This is a suggested guideline. Scheduling conflicts may not allow for all students to follow exact program.
**POST-SECONDARY EDUCATION**

During the school year, admission counselors from select institutions visit Pittsfield Middle High School, as do recruiters from the military services. The dates of these visits are announced in advance, and interested juniors and seniors are encouraged to meet with these representatives.

All students can access college catalogues available in the Career Readiness office, however, most schools have made their course catalog available digitally. Students are highly encouraged to visit their websites when researching their post-secondary institutions. Students should also plan visits to post-secondary schools during their junior year, or before November of their senior year. Additional information is also available at [www.nhheaf.org](http://www.nhheaf.org), [www.petersons.com](http://www.petersons.com), [www.princetonreview.com](http://www.princetonreview.com) and [www.collegeboard.com](http://www.collegeboard.com). In addition, all students will create a College Board account which has endless resources for developing plans for the next phase of their lives beyond high school. Below are general requirements that students should keep in mind when planning their high school course of study.

**General requirements for community colleges are:**

- **ENGLISH:** 4 years
- **MATHEMATICS:** 3 years
- **SCIENCE:** 3 years
- **SOCIAL STUDIES:** 3 years *(NOTE: NH Scholars requires 3.5 years of social studies)*

Examples: NHTI, Manchester Community College, Nashua Community College, Lakes Region Community College, Great Bay Community College, White Mountain Community College

**General requirements for most four year colleges/universities are:**

- **ENGLISH:** 4 years
- **MATHEMATICS** (college prep): 3 years
- **SCIENCE** (two must be lab sciences): 3 years
- **SOCIAL STUDIES:** 3 years *(NOTE: NH Scholars requires 3.5 years of social studies)*
- **WORLD LANGUAGE:** 3 years
- **GPA:** Minimum 3.3
- **SAT SCORE**: Minimum 1090

Examples: UNH, Plymouth State University, Keene State College, New England College

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**SUGGESTED COURSE SEQUENCE: CONCORD REGIONAL TECHNICAL CENTER**

<table>
<thead>
<tr>
<th><strong>GRADE 9</strong></th>
<th><strong>COURSES</strong></th>
<th><strong>CREDITS</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>English 9</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Math Foundations; Algebra I; Geometry; Algebra II</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Biology</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Geopolitical Studies</td>
<td>0.5</td>
<td></td>
</tr>
<tr>
<td>Physical Education</td>
<td>0.5</td>
<td></td>
</tr>
<tr>
<td>Health</td>
<td>0.5</td>
<td></td>
</tr>
<tr>
<td>Information &amp; Communication Technologies (ICT)</td>
<td>0.5</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>GRADE 10</strong></th>
<th><strong>COURSES</strong></th>
<th><strong>CREDITS</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>English 10</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Algebra I; Geometry; Algebra II; Advanced Math</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Physical Science</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Economics</td>
<td>0.5</td>
<td></td>
</tr>
<tr>
<td>Physical Education</td>
<td>0.5</td>
<td></td>
</tr>
<tr>
<td>Fine Arts</td>
<td>0.5</td>
<td></td>
</tr>
<tr>
<td>Open Elective</td>
<td>0.5</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>GRADE 11</strong></th>
<th><strong>COURSES</strong></th>
<th><strong>CREDITS</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>English 11</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Statistics; Algebra II; College Algebra; Advanced Math; Intro to Calculus</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Chemistry OR (2) .5 credit science electives</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>US History</td>
<td>0.5</td>
<td></td>
</tr>
<tr>
<td>Concord Regional Technical Center Program</td>
<td>2</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>GRADE 12</strong></th>
<th><strong>COURSES</strong></th>
<th><strong>CREDITS</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>English 12</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Statistics; Algebra II; College Algebra; Advanced Math; Intro to Calculus or Math-Related Course</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Anatomy &amp; Physiology; Physics</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>American Government</td>
<td>0.5</td>
<td></td>
</tr>
<tr>
<td>Concord Regional Technical Center Program</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Community Service*</td>
<td>0.25</td>
<td></td>
</tr>
</tbody>
</table>

**NOTE:** This is a suggested guideline. Scheduling conflicts may not allow for all students to follow exact program.
General requirements for highly selective colleges/universities are:

ENGLISH: 4 years
MATHEMATICS (college prep): 4 years
SCIENCE (three must be lab science): 4 years
SOCIAL STUDIES: 3 years (NOTE: NH Scholars requires 3.5 years of social studies)
WORLD LANGUAGE (one language): 4 years
GPA: 4.0
SAT SCORE: Minimum 1470

Examples: Columbia University, Dartmouth College, Brown University, Yale University, Princeton University

*Various four year colleges/universities do not require SAT scores. Check admission requirements when researching colleges/universities.

The following Pittsfield Middle High School academic and course policies are subject to change. Please review the PMHS Student/Family Handbook for current policy adaptations.

TESTING

Pittsfield Middle High School annually hosts College Board testing for students in grades 11 and 12 in October free of charge. Students in grade 11 standing will take the College Board SAT free of charge in April for the NH state assessment. It is recommended that college bound students take the SAT in May/June of their junior year, and again, at PMHS, in October of their senior year. Testing timelines are listed below.

<table>
<thead>
<tr>
<th>TEST</th>
<th>YEAR</th>
<th>TIMELINE</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSAT/NMSQT (College Board)</td>
<td>Grade 11</td>
<td>October (at PMHS)</td>
</tr>
<tr>
<td>SAT (College Board) - State Assessment</td>
<td>Grade 11</td>
<td>March/April (at PMHS)</td>
</tr>
<tr>
<td>SAT (College Board)*</td>
<td>Grade 11</td>
<td>May/June</td>
</tr>
<tr>
<td>SAT (College Board)</td>
<td>Grade 12</td>
<td>October (at PMHS)</td>
</tr>
<tr>
<td>ASVAB (Armed Service Vocational Aptitude Battery)</td>
<td>Grade 12</td>
<td>November/December</td>
</tr>
</tbody>
</table>

Specific dates, locations, and fees will be announced.

*Please contact the Career Readiness office for College Board fee waiver information.
ACADEMIC PROGRAMS

CONCORD REGIONAL TECHNICAL CENTER (CRTC)

OVERVIEW: Students have the opportunity to attend the Concord Regional Technical Center (CRTC) at Concord High School as a sophomore, junior and/or senior. Applications to the CRTC will be distributed by the Career Readiness office in January, and will be due in February for admission for the following year.

PROGRAMS: The CRTC provides students with eleven two-year program opportunities including Automotive Technology, Computer Engineering, Construction Trades, Cosmetology, Criminal Justice, Culinary & Pastry Arts, Fire Science/EMT, Graphic Design & Creative Media, Health Science, Teacher Preparation, and Theater Technology & Design. CRTC course descriptions are included in this program. Most of the programs at the CRTC have dual enrollment opportunities where students can earn both high school and college credit. Please visit www.thecrtc.net for more information.

POLICIES: The CRTC institutes a strict attendance policy (showing up to work every day), dress expectations (work place safety), and an emphasis upon proper conduct at all times (team work). The CRTC allows five absences per semester, after which the student will lose credits in the course and must meet with the CRTC Director to appeal. Bus service is provided to and from the CRTC from Pittsfield Middle High School. Students who miss the bus to CRTC are to report to the main office at PMHS immediately. Students are not allowed to drive to the Concord Regional Technical Center without written approval by Concord High School and Pittsfield Middle High School.

NATIONAL HONOR SOCIETY

The National Honor Society (NHS) Advisor and Faculty Council selects students to the National Honor Society. The NHS Faculty Council consists of five faculty members from Pittsfield Middle High School appointed by the NHS Advisor. The NHS Advisor is a non-voting member; therefore, the NHS Faculty Council will make the final determination of NHS selection. Selection is based on scholarship, leadership, service, and character.

ELIGIBILITY:

1. To meet the academic requirements, a student must have a minimum cumulative GPA (grade point average) of 3.0 on a 4.0 scale. The student’s cumulative GPA will be calculated three weeks after the last day of the previous marking period (i.e. end of the previous school year). Additionally, a student who has an INC in any previous course, at the time of review, is not eligible. To retain membership in the National Honor Society, members must maintain a minimum cumulative GPA of 3.0 on a 4.0 scale.

2. Candidates must have been in attendance at PMHS for the entirety of the semester prior to the end of the previous marking period.

For notices of appeals in cases of non-selection of candidates, and the disciplining or dismissal of members, please contact the NHS Advisor for the official National Honor Society rules and regulations. Members who resign or are dismissed are never again eligible for membership or its benefits.

SELECTION PROCESS: Students who are eligible for membership will be notified by the NHS Advisor. Once notified, students will have one calendar week to complete and submit the NHS application requirements. Only those students who return the completed application will be considered for selection. The selection decision will be determined by the NHS Faculty Council during the 2nd quarter.
NEW HAMPSHIRE SCHOLARS

OVERVIEW: The State Scholars Initiative was established in 2006. It is a federally funded national program with twenty-four actively participating states. In 2007, the New Hampshire Scholars Initiative began with just six schools. Currently, there are over 70 participating schools across the state. The NH Scholars Initiative works with local business leaders to design a defined, rigorous academic course of study that will adequately prepare them for post-secondary education as well as today’s competitive job market.

PATHWAYS: Students are eligible to earn one or more of the four New Hampshire Scholars Pathways: Original Scholars, STEM, ARTS, and Career. The STEM and ARTS pathways require a minimum grade point average (GPA) as well as classes focused on each specific path.

<table>
<thead>
<tr>
<th>NH Original Scholars</th>
<th>STEM Emphasis</th>
<th>ARTS Emphasis</th>
</tr>
</thead>
<tbody>
<tr>
<td>• 4 Credits of English</td>
<td>• 4 Credits of English</td>
<td>• 4 Credits of English</td>
</tr>
<tr>
<td>• 4 Credits of Math</td>
<td>• 4 Credits of Math</td>
<td>• 4 Credits of Math</td>
</tr>
<tr>
<td>• 3 Credits of Lab-Science</td>
<td>• 4 Credits of Science (3 Labs)</td>
<td>• 3 Credits of Lab-Science</td>
</tr>
<tr>
<td>• 3.5 Credits of Social Studies</td>
<td>• 3.5 Credits of Social Studies</td>
<td>• 3.5 Credits of Social Studies</td>
</tr>
<tr>
<td>• 2 Credits of Foreign Language</td>
<td>• 2 Credits Foreign Language</td>
<td>• 2 Credits of Foreign Language</td>
</tr>
<tr>
<td>• 1 Credit (or more) STEM-related</td>
<td>Minimum 3.2 GPA (4.0 scale)</td>
<td>Minimum 3.2 GPA (4.0 scale)</td>
</tr>
</tbody>
</table>

In addition to the Original Scholars curriculum, Career Pathway Scholars will:

• Successfully complete one of the following: Approved NH CTE Program, Industry- Aligned or Career-Driven Extended Learning Opportunity, All Sequence Components in Formal Career Pathway Program of Study, CCSNH Industry Certificate Sequence
• Successfully engage in a Work Based Learning Experience
• Successfully earn one of the following: College Credits, Industry Valued Recognized Certificate, or Postsecondary Hours

*NOTE: NH Scholars is a high school program. Course requirements must be earned during high school (9-12). Students are encouraged to take high school level courses during middle school to allow the opportunity to take higher level courses later in high school. Credit earned in middle school for high school level courses satisfy PMHS graduation requirements, however, the expectation of a NH Scholar is to meet the requirements during their high school career.

PROCEDURE: Students choosing to participate in the NH Scholars Program will need to meet with the Director of Career Readiness. Students completing the program are eligible for college application fee waivers from select institutions, notary of completion on their official transcript, and are honored with a medallion at graduation. Information about the NH Scholars program is available at www.nh奖学金.org.

ACADEMIC INFORMATION

ALTERNATIVE LEARNING PLANS: In an effort to reduce the number of students who do not complete the requirements necessary to graduate high school and earn a diploma, the Board established a program for alternative learning plans allowing students to obtain a high school diploma or its equivalent. Alternative learning plans may include, but are not limited to, alternative schedules, home-based learning, online courses/distance education, early graduation, late graduation, HiSET preparation or opportunities approved by the Superintendent or his/her designee in conjunction with Board policies. Alternative Learning Plan components will be determined through a team consisting of the Director of Career Readiness, student, parent/guardian, Advisor and other appropriate people based on the individual student need.
**CLASS STANDING:** Students are required to accumulate a specific number of credits and successfully complete their grade level English course (1 credit) in order to advance to the next grade. Class standing requirements are as follows:

- Sophomore = 5.25 credits and English 9
- Junior = 10.5 credits and English 10
- Senior = 15.75 credits and English 11

**COMMUNITY SERVICE REQUIREMENT:** Community service is work performed without monetary compensation intended to help the community in some way, be it through beautification, support, or participation at community events. Community service is voluntary work performed to help people or a person. It is meant to connect us to the community where we live, work or to the global community. Because we are all citizens, it is our responsibility to learn about and help others. It is a way to pay it forward. Community service is also a way to pay back the town, state, and country.

**REQUIREMENTS:**

- To receive a Pittsfield Middle High School diploma, high school students are required to complete 40 hours of community service.
- Students who transfer to PMHS during their high school year will have their hours prorated. Students may complete this requirement individually or by working in groups. Students may earn community service hours while enrolled in grades 7-12. Students are expected to follow the PMHS Norms while working in the community.
- All community service must be pre-approved by the advisor. The Director of Career Readiness has final say in all community service concerns.
- To receive credit for the hours, students must submit the original copy of the completed Community Service Verification Form to the office of Career Readiness within 90 days of the date of the service.
- Seniors going on the senior class trip must complete all of their hours prior to the established date as determined by the senior class advisors and the Dean of Operations.
- The number of community service hours required for graduation and the number of hours a student has logged will be printed on the transcript.

**COMPETENCY BASED ASSESSMENT:** The competency-based assessment and evaluation system at Pittsfield Middle High School is founded upon common expectations for high levels of student learning. At Pittsfield Middle High School, each course has a set of established core competencies that describes what students are expected to know and be able to do as a result of completing the course’s learning requirements. The purpose is to provide structure and expectations to ensure common and systematic competency-based assessment practices are used in all courses by all teachers at the middle high school. These practices will be related directly to state learning goals, and competencies will be used to assign credit and report on student progress.

**GRADUATION:** High School graduation is the highlight of a successful educational experience at PMHS. It is a formal occasion for the graduates and all attendees. Graduation consists of Baccalaureate (optional), Senior Awards Night, and Commencement. All graduation requirements and financial obligations must be met prior to participation in graduation rehearsals or exercises. Attendance at all graduation rehearsals is mandatory. We urge parent/guardian support and cooperation in making graduation a happy and meaningful event in the life of their child.

**EARLY GRADUATION:** The Pittsfield School Board has approved a policy for early graduation. The Director of Career Readiness shall approve requests which are determined to meet all state and local graduation requirements and indicate that early graduation is related to career and/or educational plans of the student. Students under the age of 18 must have the approval of a parent/guardian. Please see the Career Readiness office for more information.
**FINAL GRADE SCORE REPORTING:**
1. A competency score of 2.5 is considered to be meeting expectations.
2. When a student meets expectations for all course competencies, credit will be awarded.
3. Competency scores will be averaged to determine the final course score.
4. Final course scores will be translated to a letter score according to the table below.
5. Student transcripts (high school courses only) will reflect the letter grade.

<table>
<thead>
<tr>
<th>Final Course Score</th>
<th>Letter Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.66-4.0</td>
<td>A</td>
</tr>
<tr>
<td>3.5-3.65</td>
<td>A-</td>
</tr>
<tr>
<td>3.44-3.49</td>
<td>B+</td>
</tr>
<tr>
<td>3.22-3.43</td>
<td>B</td>
</tr>
<tr>
<td>3.0-3.21</td>
<td>B-</td>
</tr>
<tr>
<td>2.83-2.99</td>
<td>C+</td>
</tr>
<tr>
<td>2.5-2.82</td>
<td>C</td>
</tr>
<tr>
<td>0-2.49</td>
<td>F (No Credit)</td>
</tr>
<tr>
<td>Not Competent Yet</td>
<td>NCY (No Credit)</td>
</tr>
<tr>
<td>Competency Recovery</td>
<td>INC (No Credit)</td>
</tr>
<tr>
<td>Pass</td>
<td>P (Credit)</td>
</tr>
<tr>
<td>Fail</td>
<td>F (No Credit)</td>
</tr>
<tr>
<td>Audit</td>
<td>J (No Credit)</td>
</tr>
</tbody>
</table>

**GRADE POINT AVERAGE AND CLASS RANK:** Grade point average (GPA) is determined from final course grades, and is only calculated for high school level courses. Advisory, learning studios, community service, and courses with a final mark of “Pass” or “Fail” are not included in the GPA calculation. Final marks from included courses are given the appropriate non-weighted numerical value, and then multiplied by the potential credit of the course to determine grade points earned. The grade points are totaled and divided by the total number of potential credits to determine the student’s grade point average. The GPA is calculated each year, and a cumulative GPA is maintained. Class rank is determined by the student’s cumulative GPA. After each semester, class members are ranked from highest to lowest. Class rank helps to determine the class Valedictorian and Salutatorian at the time of graduation.

Upon enrollment at Pittsfield Middle High School, grades for students transferring from other school districts are converted to the un-weighted GPA calculation method. Transfer students must be enrolled for their entire senior year in order to be considered for Valedictorian and Salutatorian and other academic awards. Please note that colleges and universities use their own formulas to recalculate grade point averages for admissions and scholarship consideration.

**HIGH SCHOOL CREDIT:** Students in grades 7 and 8 have opportunities to earn high school credit that will count towards Pittsfield Middle High School graduation requirements. Any middle school student who wishes to enroll in a high school course must have prior approval by the Director of Career Readiness and course instructor. Middle school students who wish to enroll in a high school VLACS course must have prior approval by the Director of Career Readiness. Failure to obtain approval may result in earned high school credit ineligible towards graduation requirements. Approved credit earned from high school courses will be calculated in the student’s high school GPA and displayed on their official transcript. NOTE: High school credit earned in middle school fulfills graduation requirements, but does not fulfill the requirements for the NH Scholars program.
**Honor Roll:** High School Honor Roll will be determined at the end of the school year. Students with a grade of INC are not eligible for Honor Roll.

*High School Eligibility Requirements:*
- **Honors with Distinction:** Minimum GPA of 4.0 (A)
- **High Honors:** Minimum GPA of 3.7 (A-)
- **Honors:** Minimum GPA of 3.0 (B)

**Transfer Students:** High school students who transfer to PMHS are required to provide an official transcript from their previous high school at the time of registration. The previous school, course names, and grades will be maintained on the PMHS transcript. Upon review of the transcript, the Career Readiness office reserves the right to determine the best way to fulfill PMHS graduation requirements. GPA will be determined by all previous letter grades. In the instance of numerical grades, the letter grade equivalent of the prior school will be used. Although PMHS does not accept grades of C- or below, all previous letter grades of this nature will be translated into GPA according to the designated numerical equivalent. If a student transfers from a school with a different credit system, the Career Readiness office will determine the number of appropriate credits for each course.

**Course Information**

**Class Attendance:** Daily attendance at school and in class is extremely important. Students are responsible for work missed during a period of absence as well as making arrangements to complete the work promptly. Please refer to the late work policy in the student and family handbook.

**Course Audit:** Students may request to “audit” a course. Auditing involves attending and completing course work without receiving credit or a final grade at the close of the course. Students may not audit courses that fulfill graduation requirements. Successfully audited courses will result in a “J” as a final mark on their high school transcript which will not affect their grade point average. Once a student has been enrolled in an audited course, they can no longer earn credit for the course. Students must request to audit a course no later than the midpoint of the course. The midpoints are as follows:
- Midpoint of fall semester course: End of first quarter
- Midpoint of spring semester course: End of third quarter
- Midpoint of full year course: End of second quarter

The student must complete a schedule change request form, obtained from the Readiness office. The request for auditing a course must be approved by the Director of Career Readiness, teacher of the course, advisor, case manager (if applicable), and parent/guardian if the student is under the age of 18.

Students may also receive a final grade of “J” for enrichment courses. Such courses include specific learning studios or job shadow extended learning opportunities. Enrichment courses provide the student with the subject knowledge and/or experience, but they are not responsible for the submission of assignments or mastery of competencies.

**Course Cancellation:** The courses listed in this Program of Studies may be rescinded for a variety of reasons, therefore, students should register for as many courses as possible. Students are asked to select alternative courses in the instance a course becomes unavailable. If selected courses are annulled, these alternatives will be scheduled.

**Course Priority:** In certain courses there may be a limited number of sections available. Registration priority will generally be given to students who require the course for graduation with subsequent priority given to class standing in the following order: seniors, juniors, sophomores, and freshmen.
COURSE SELECTION AND APPROVAL: Courses are scheduled on a semester or yearlong basis. When you consider a course, please note how it is scheduled and the impact that it may have on other courses you may want to take. A student may register for any course provided he/she meets the prerequisites. Students, parents, advisors, counselors, and teachers should communicate fully prior to course selection. Parents will be asked to approve the student’s course selection before the close of the school year. It is expected that courses selected during the spring shall become the student’s educational program the following fall.

COURSE WITHDRAWAL: It is essential that students devote sufficient time to planning their schedules so that withdrawals are avoided. Students are responsible for all the requirements of any course in which they are registered unless the student officially withdraws through the Career Readiness office. Each request for withdrawal will be considered on its own merit and according to the educational needs of the student.

- For the initial ten days of class, students may withdraw without a final mark for the course on their high school transcript or affecting their grade point average.
- Between the tenth day and midpoint of the class, the student must complete a Schedule Change Request form, obtained from the Career Readiness office. The midpoints are as follows:
  - Midpoint of fall semester course: End of first quarter
  - Midpoint of spring semester course: End of third quarter
  - Midpoint of full year course: End of second quarter

The schedule change request must be approved by the Director of Career Readiness as well as the teacher of the dropped/added course(s), advisor, case manager (if applicable), and parent/guardian if the student is under the age of 18. If approved, this will result in a final mark of “WP” (withdraw passing) or “WF” (withdraw failing) on their high school transcript and no earned credit. Final marks of “WP” and “WF” do not affect the student’s grade point average.

- Withdrawals after the midpoint of the class will result in a failing grade for the course which will negatively affect their grade point average. The student will receive no credit for the course.

Please refer to the “Online Learning Opportunities” section for information on online course withdrawal.

DUAL CREDIT/ENROLLMENT: The Community College System of New Hampshire (CCSNH) offers two dual enrollment opportunities for high school students, Running Start and eStart. These programs give students the opportunity to earn college credits while in high school. Running Start is a program where students take the course taught by a teacher at Pittsfield Middle High School. Pittsfield Middle High School currently offers two Running Start courses, English 12: Composition and College Algebra. Both English 12: Composition and College Algebra offer four college credits through NHTI and one high school credit. To receive credit, students must successfully complete the course, and pay the reduced tuition cost. Financial assistance for qualified students, as well as payment plan options, are available for Running Start courses. Please see the Career Readiness office for more information.

Virtual Learning Academy Charter School (www.VLACS.org) offers eStart, through the Community College System of New Hampshire. This program allows high school students to earn high school and college credit through online learning. Students must sign up for VLACS dual enrollment courses in advance and pay the reduced tuition fees. Please refer to the end of this program for a complete list of the VLACS dual enrollment courses.

Students may also earn high school credit by taking a college course that is not part of a dual enrollment program. When college credit is awarded, the student will receive 0.1 PMHS credit for each college credit awarded for non-dual enrollment courses; such credits may be awarded for elective courses only. Additional information regarding alternative credit options is available in Pittsfield School District policy IMBC.
**GUIDED/INSTRUCTIONAL STUDY:** Guided Study is monitored by a teacher, and is available to students who have an Individualized Education Program (IEP) or Section 504 Plan who may need more focused assistance to help with their course work. Students will also learn organizational skills and research tools. Senior release will not be allowed during Guided Study. Students who enroll in an Instructional Study will be expected to utilize that period for academic purposes. Instructional Study is supervised by staff members.

**ONLINE LEARNING OPPORTUNITIES:** Pittsfield Middle High School encourages students to take full advantage of online learning as a means of enhancing and supporting their education. These educational courses will fulfill curriculum requirements. PMHS offers the following online opportunities:
- Virtual Learning Academy Charter School (VLACS): [www.VLACS.org](http://www.VLACS.org)
- APEX Online Learning: [www.apexlearning.com](http://www.apexlearning.com)

**POLICIES:** The Board encourages students to take full advantage of online learning as a means of enhancing and supporting their education. It also includes opportunities for additional educational options. These educational courses will fulfill curriculum requirements. Students must have online courses / distance education courses approved by the Director of Career Readiness ahead of time to receive credit. To graduate with a Pittsfield Middle High School diploma, online courses / distance education may include a maximum of 5 credits towards the 21.25 credits required for graduation. Courses not available at PMHS or that conflict with a student’s schedule are considered non-inclusive. Extenuating circumstances will require approval by the Director of Career Readiness. The written approval of the Director of Career Readiness is required before a Pittsfield School District student enrolls in online courses / distance education. In order to receive credit for an online course, students must take exams administered at Pittsfield Middle High School, proctored by a member of the faculty. Please refer to the PMHS Student/Family Handbook for the comprehensive online policy.

**Virtual Learning Academy Charter School (refer to [www.VLACS.org](http://www.VLACS.org) for a comprehensive list of VLACS courses)**
- Parents/guardians must participate in a phone conversation with the online teacher before beginning a VLACS course. During the first 28 calendar days of being activated into a VLACS course, a student may drop the course without penalty.
- For each online course there is a minimum number of assignments that must be completed each week. Failure to submit the minimum number of assignments on a weekly basis may result in the delay of the course where the student must contact the teacher or removal from the course. Students dropped from the course may result in a failing grade on the student’s academic transcript.
- If the course is dropped after completing 50% of the class requirements and failing to take the final exam, Virtual Learning Academy Charter School will issue an "F" for the final grade. **NOTE:** Failing grades reported by VLACS will be recorded in the student’s PMHS academic record and will appear on their PMHS transcript.

**APEX Learning Virtual School**
- APEX is a fully accredited, private online high school. Students work independently, but are monitored and graded by a Pittsfield Middle High School highly qualified teacher.
- The add/drop periods for APEX follow the same policy as Pittsfield Middle High School. Similarly, it also follows the PMHS grading policy regarding the entry of “WP” or “WF” on their transcript.
PARENT QUESTIONS & CONCERNS

ACADEMIC: Parents are strongly encouraged to communicate directly with their child’s advisor (see following page) and teachers regarding academic progress in specific subjects. Access to faculty email accounts is available through the PowerSchool student/parent portal (http://powerschool.pittsfield.k12.nh.us/public/home.html). PowerSchool usernames and passwords are provided at the beginning of each school year and at new student registrations. Parents should contact the Career Readiness administrative assistant with questions about their PowerSchool account. Students with Individual Education Plans (IEP) or 504 Plans have assigned case managers to monitor implementation of individual student plans, and are a valuable resource for parents. Specific questions regarding academic status, earned credits, and graduation progress should be forwarded to the Readiness office.

COLLEGE PLANNING: A variety of informational programs regarding college planning and financial aid are offered at PMHS in conjunction with the New Hampshire Higher Education Assistance Foundation (NHHEAF) Center for College Planning. Their website (www.nhheaf.org) provides a wealth of resources for students and parents. The Career Readiness office holds numerous events covering the college application process, financial aid, and scholarships during the course of the student’s junior and senior years. Parents are welcome to contact the Career Readiness office with questions or concerns.

GRADUATION PROGRESS: Students will meet with the Director of Career Readiness during the course of their junior and senior years to monitor their graduation progress. An annual letter will be mailed home to parents of all high school students notifying them of student academic progress. If a student is in danger of not meeting graduation requirements, parents will be asked to attend a meeting with the Director of Career Readiness, advisor and/or case manager to develop an academic intervention plan.
COURSE DESCRIPTIONS

ADVISORY

The Advisory program, the foundation of PMHS, brings together a diverse group of students with a caring adult. Advisors support the social, emotional, and academic growth of each advisee by building and sustaining relationships with the advisees and community. Advisors nurture, advocate for, and guide each advisee through her or his unique school experience. The program is aligned to school-wide competencies which are evaluated through ongoing assessments by both students and Advisors.

Advisory is scheduled for high school students. Senior and junior release will not be allowed during this period.

<table>
<thead>
<tr>
<th>Advisory 9</th>
<th>Credit: .25</th>
<th>Graduation Requirement: Elective</th>
</tr>
</thead>
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<td>(HS0009)</td>
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<td>Advisory 10</td>
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<td>Grade 10</td>
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<tr>
<td>Advisory 12</td>
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</tr>
<tr>
<td>Grade 12</td>
<td>(HS0012)</td>
<td></td>
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</tbody>
</table>

BUSINESS AND INFORMATION & COMMUNICATION TECHNOLOGIES

Business courses satisfy the elective credit requirement and are a math-related course (MRC).

BUSINESS

- (0304) Personal Finance (MRC)
- (0306) Accounting I (MRC)
- (0311) Business Math (MRC)

Personal Finance (MRC) (0304) Credit: .5 Graduation Requirement: Elective

This class teaches the importance of personal finance and how an understanding of control over one’s personal financial matters helps them in the preparedness for the different stages in life. Subjects covered are financial responsibility, money management, income and careers, credit and debt, investing and saving, and risk management.

Accounting I (MRC) (0306) Credit: .5 Graduation Requirement: Elective

Accounting is a systematic method of keeping, planning, analyzing and interpreting financial records of a business. This course will allow the student to build on basic math skills while learning overall accounting concepts, principles, procedures, and terminology. It is designed to help students learn how accounting relates to different careers and fields of study. Accounting will provide students with an understanding of the accounting principles and cycle. Microsoft Excel and QuickBooks will be used throughout this course.
This course offers mathematics within the framework of the business world and should be useful to all students. Among the topics are: payroll, banking, taxes, insurance, charge accounts, housing costs, investments, discounts, marketing, warehousing, distribution, and inventory. Extensive work with Microsoft Excel will be used.

A half credit in Information & Communication Technologies is required for graduation. Students who anticipate applying to the Information Technology program at Concord Regional Technology Center their junior year are strongly encouraged to enroll in ICT courses their freshman and sophomore year at Pittsfield Middle High School. The other course at PMHS that satisfies the ICT graduation requirement is Digital Art (Fine Arts).

**INFORMATION & COMMUNICATION TECHNOLOGIES**

(0314) Desktop Publishing & Marketing (ICT)
(0316) Yearbook Production (ICT)

**Desktop Publishing/Marketing**  (0314) Credit: .5
Grade 9-12
Graduation Requirement: ICT

**PREREQUISITE:** Computer Literacy or demonstrated competency.
Students will learn the basic principles of electronic layout and design. Importing text and graphics will be introduced. Basic photography will be used. Microsoft Publisher and Photoshop as well as other software will be used in design. Students will also learn the basics of promotion and marketing.

**Yearbook Production Segment 1**  (0316S1) Credit: .5
Grade 11 & 12
Graduation Requirement: ICT

**Yearbook Production Segment 2**  (0316S2) Credit: .5

A half-credit option is available for students whose schedule does not allow full-year enrollment.

**PREREQUISITE:** Teacher approval is required to sign up for this course. Students must pass segment 1 of the course before moving onto segment 2.
In this class, we will plan, design, create, sell, finance, and distribute the yearbook. This class includes the layout and design of pages, photography, fundraising, selling of community ads, and basic administrative skills. The finished product will be student-generated guided by an advisor. Though your advisor will guide you to strive for a quality end-product, it is up to you to follow through and do what’s necessary to create the best yearbook possible by the spring deadline while accurately depicting student life at PMHS.

**ENGLISH**

Students are required to earn four credits of English for graduation. They must earn credit in English 9, English 10, English 11 and English 12. NOTE: Selected English courses are divided into half-year segments.

(0502FW) English 9/10: Words Without Borders  (1701) English 9 (Individualized)
(0502FZ) English 9/10: The Struggle is Real  (1702) English 10 (Individualized)
(0561) English 11: American Literature  (1703) English 11 (Individualized)
(0562) English 12: Senior English  (1704) English 12 (Individualized)
(0567) English 12: Composition (RS)*

*RS= Running Start course with an option for dual credit (high school & college) through NHTI.
Words Without Borders:
This course explores literature from around the globe. With a wide variety of texts, students are given opportunities to explore and respond to multiple genres from various global, historical, and social contexts. As we examine world literature from medieval times to modern day, we will consider the context that shaped these novels, epic poems, graphic texts, and plays. This will require extensive reading, vocabulary study, regular composition writing, synthesis of various texts, and an in-depth focus on the analysis of literature. There will be increased emphasis on effective communication, presentation skills, and the use of technology.

Power In Literature:
This course explores literature of social protest, stories that push the limits of contemporary values and stretch the difference between right and wrong, and books that twist your definition of good and evil or even reality itself. The course will focus on conflict - internal (man vs self) and external (man vs society). This will require extensive reading, vocabulary study, regular composition writing, synthesis of various texts, and an in-depth focus on the analysis of literature. There will be increased emphasis on effective communication, presentation skills, and the use of technology.

English 11: American Literature
Grade 11
PREREQUISITE: Successful completion of all preceding English courses or with instructor approval. It is recommended that this class be taken in conjunction with US History.
During the course of the year we will explore the definition of what it means to be American and how that definition has changed throughout history, (or how it has not changed), starting with the early colonists and ending with modern literature. We will explore the beliefs of Native Americans, Puritans, Transcendentalists, Realists, and Modernists and how their ideals were impacted by history and reflected in their literature. Students will write a variety of essays and participate in different group and individual projects. The final project will be an essay which addresses the question, “What does it mean to be American?” and offers a personal, reflective answer including examples from the literature we’ve read and/or literature read outside the class. This class will be linked to the US History course.

English 12: Senior English
Grade 12
PREREQUISITE: Successful completion of all preceding English courses or with instructor approval.
Senior English is designed to be the pinnacle of your English experience at Pittsfield Middle High School. Themes may include: A Question of Fairness, Risk-Taking, Global Voices, Crossroads, and Your Place in the World. Writing assignments will include Narrative and College Essays, Argument, Evaluation, Analysis, Reflection, and Research. Reading includes contemporary and classic selections, both fiction and nonfiction, from a variety of sources. This project-based course is designed to introduce real-world reading, writing, and speaking applications to students. Engage in lively discussions and arm yourself with practical tools to boost your qualifications to thrive in a competitive world. The year culminates with a Senior Investigation/Project.

English 12: Composition (RS)
Grade 12
PREREQUISITE: Successful completion of all preceding English courses or with instructor approval.
Most colleges are requiring a freshman level composition class. This class should transfer (in most
colleges) as the required freshman composition class. The class will focus on essays and nonfiction readings around the theme of *Who am I? What is my purpose?* The class will focus heavily on reading, writing, revision, grammar, discussion, and presentation. This is a college-level class.

<table>
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<th>(1701)</th>
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<tr>
<td>English 11</td>
<td>(Individualized)</td>
<td>(1703)</td>
<td>Credit: 1</td>
<td>Graduation Requirement: English 11</td>
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<tr>
<td>English 12</td>
<td>(Individualized)</td>
<td>(1704)</td>
<td>Credit: 1</td>
<td>Graduation Requirement: English 12</td>
</tr>
</tbody>
</table>

PREREQUISITE: Preceding English course and recommendation by the Special Education Department.

Description: The Pittsfield Middle High Schools Individual English program is designed specifically for students with moderate to severe disabilities. This program focuses on the development of fundamental reading and writing skills that will be needed upon leaving Pittsfield Middle High School. Functional reading and writing skills will be incorporated along with applying these skills to everyday living situations. The individual English class will utilize the community, school, and kitchen setting.

**FINE ARTS INSTRUCTION**

A half credit in Fine Arts is required for graduation. Music and art courses are available as part of this requirement. Digital Art fulfill the NH state graduation requirement of 0.5 credit for Information and Communication Technologies (ICT).

**ART**

(0201) Principles of Art and Design | (0204) Drawing & Painting
(0202) Ceramics | (0209) Ceramics II
(0251) Digital Art I (ICT) | (0252) Digital Art II (ICT)
(0205) Studio Art I | (0221) Studio Art II

**Principles of Art and Design**

(0201) Credit: .5
Graduation Requirement: Fine Arts

Principles of Art and Design is a laboratory course which teaches basic art skills and introduces the student to art history and art appreciation. Students will learn to express their own ideas through art work, will use vocabulary appropriate to the art form, and will create a variety of projects that demonstrate what they have learned. Organization of work area and time, the care and use of a variety of materials, and self-motivation will be stressed. Areas studied will include drawing, painting, perspective, printmaking, ceramic techniques, and an introduction to basic computer use and computer graphics.

**Ceramics**

(0202) Credit: .5
Graduation Requirement: Fine Arts

**Ceramics II**

(0209) Credit: .5
Graduation Requirement: Fine Arts

PREREQUISITE: Successful completion of Principles of Art and Design or instructor approval

Ceramics is a laboratory course that teaches basic ceramic skills and vocabulary. Hand methods of construction as well as wheel throwing will be taught. The history of ceramic construction will be taught in conjunction with each project assigned. Students will learn to use and care for a variety of tools and materials. They will learn to fire and glaze their ceramic projects. They will create a variety of projects that will demonstrate what they have learned in class. Problem solving and creative thinking are emphasized in this course. Students will also be instructed in the use of the computer in the art room to get and print notes on various topics covered in class. This may be a review for some, but will teach computer skills to others as part of the art program. Students will make pinch construction, slab construction, coil construction, and create ceramic sculptures as they work on the wheel.
PREREQUISITE: Successful completion of Ceramics I with a minimum numerical grade of 3.0
Skills developed in Ceramics I will be expanded upon to enable students to create original ceramic projects. Students will learn more advanced techniques and plan they own projects.

Drawing and Painting (0204) Credit: .5
Grade 9-12 Graduation Requirement: Fine Arts, Elective

PREREQUISITE: Successful completion of Principles of Art and Design or instructor approval
This course further develops the skills of drawing and painting and the knowledge of art history. Students will learn to use and care for a variety of materials and will identify the materials, processes, and tools used in the production of various products. Vocabulary related to art forms, self-motivation, and self-direction in class work will be stressed. Areas covered include pencil, oil pastels, pen and ink, watercolor, and acrylics.

Studio Art (0220) Credit: .5
Grade 10-12 Graduation Requirement: Fine Arts, Elective

PREREQUISITE: Successful completion of Principles of Art and Design and one other art elective or instructor approval
Studio Art is a laboratory course which teaches advanced art skills.
Self-motivation and self-direction are crucial. Students will pursue an independent, in depth exploration of their artistic vision. The product of this exploration will be a portfolio of several works that fulfills their goals. Students are encouraged to develop personal expression and themes. Students will be expected to design and complete projects on their own with independent research and help from the instructor. Students can choose to also work in the medium presented each week by the instructor. The teacher will assign art projects if they feel it is necessary. Care and maintenance of art materials and the studio area are part of the course requirements. Computer graphics are also required. Students will use acrylic paints, watercolors, pen and ink as well as making crafts, ceramic work, and sculptures.

Studio Art II (0221) Credit: .5
Grade 10-12 Graduation Requirement: Fine Arts

PREREQUISITE: Successful completion of Studio Art with a minimum numerical grade of 3.0
This course is an advanced continuation of Studio Art. Students will be expected to design and complete projects on their own with independent research. Care and maintenance of art materials and the studio area are part of the course requirements. Computer graphics are also required. Students will use acrylic paints, water colors, pen and ink as well as making crafts, ceramic work, and sculptures.

Digital Art I (0251) Credit: .5
Grade 9-12 Graduation Requirement: Fine Arts, ICT

PREREQUISITE: Principles of Art and Design, demonstrated competency, or instructor approval for ITC credit with no prior art classes
This course is designed as an introduction to design and imaging through the use of digital photography and imaging software. Students will create various art projects while learning and applying the elements and principles of art and design. Students will engage in problem solving art projects to create original art utilizing the computer to paint, draw, design, and manipulate. Students will work at computer workstations combining digital photographs and traditional art mediums with the application of flatbed scanners and colored ink jet printers. Various career opportunities in digital art will be introduced. Ownership of a digital camera is recommended but not required. Students will have the opportunity to exhibit their work in the community through art shows and our digital art gallery.

Digital Art II (0252) Credit: .5
Grade 9-12 Graduation Requirement: Fine Arts, ICT

PREREQUISITE: Successful completion of Digital Art I with a minimum numerical grade of 3.0
Skills developed in Digital Art I will be expanded upon to enable students to create original imagery in a variety of styles. Students will learn more advanced techniques in photo editing to develop a personal digital portfolio.

Independent study courses in Art are available on a "space available" basis with instructor approval, provided prerequisites have been met.

**MUSIC**

(1201) Band  Credit: .5  Graduation Requirement: Fine Arts
(1203) Beginning Guitar
(1202) Chorus

**PREREQUISITE:** At least one full year of experience with a concert band instrument

This course will serve to increase musical skills such as music reading, instrumental technique, musical sensitivity, and performance practices. A wide range of musical styles will be examined and performed. Individual practice is required, as well as class rehearsals. There will be one required public concert per semester. Other concerts may also be scheduled.

Chorus  Credit: .5  Graduation Requirement: Fine Arts

This course will serve to increase musical skills such as music reading, vocal technique, singing in parts, and performance practices. A wide range of musical styles will be examined and performed. Individual practice will be required, as well as classroom rehearsals. There will be one required public concert per semester. Other concerts also may be scheduled.

Beginning Guitar  Credit: .5  Graduation Requirement: Fine Arts

This course will teach the basic techniques for reading music and playing simple chords and melodies on guitar. It will also teach the basics of music theory, as it relates to the guitar. If you have no guitar experience, or play, but want to learn how to read music and understand chords, this class is for you. The class will be limited to 16 students, due to number of guitars available.

**HEALTH AND WELLNESS EDUCATION**

**HEALTH**

One half credit of Health is required for graduation.

(0802) Health  Credit: .5  Graduation Requirement: Health

Emphasis is placed on promoting wellness and positive behavior by encouraging students to evaluate their choices and take responsibility for their own well-being. This course focuses on self-awareness and provides opportunities for students to evaluate their present health situation and take measures to maintain and/or improve their health, prevent disease, and reduce risky health behaviors. Topics include self-esteem, stress management, mental health, drugs including alcohol, tobacco and illegal drugs, identification and prevention of infectious and lifestyle diseases, and reproductive health choices.
FAMILY AND CONSUMER SCIENCES

(0901) Creative Sewing
(0905) Child Development for Parenting
(0907) Food and Nutrition
(0903) Human Relations

Creative Sewing I  (0901)  Credit: .5
Grade 9 and above  Graduation Requirement: Elective

In this lab course, students will learn basics of clothing, sizing, pattern layout, and various stitching techniques. A minimum of two completed projects will be required of each student. Students will be required to provide patterns and fabric. Students will investigate career opportunities and issues in the textile industry.

Child Development for Parenting  (0905)  Credit: .5
Grade 10-12  Graduation Requirement: Elective

This course will focus on understanding parenting through eyes of the child. Students will examine the child’s physical, social, emotional, and intellectual development from conception through year 6. Students will understand the importance of prenatal care. Students will address parenting issues and responsibilities. During the semester students will be involved in various cooperative learning activities and projects, including observing children at a local child care facility.

Food and Nutrition  (0907)  Credit: .5
Grade 10-12  Graduation Requirement: Elective

This course provides an in-depth study of nutritional science, safe and sanitary food preparation, and skills needed by students to manage their individual and family nutritional needs throughout their lifespan. A large part of the course is laboratory experience. Students will be required to complete food demonstrations during the course. This course also introduces students to other aspects of culinary arts such as history, culture, and environmental issues. Students may not take this course if they are enrolled in the Culinary Arts I or II at Concord Regional Technology Center. Successful completion of the high school health graduation requirement is a prerequisite for this course.

PHYSICAL EDUCATION

One credit of Physical Education is required for graduation.

(0801) Physical Education
(0804) Lifetime Fitness Activities
(0802) Physical Education II
(0805) Individual Physical Education Program (I.P.E.P.)

Physical Education  (0801)  Credit: .5
Grade 9-12  Graduation Requirement: Physical Education

Pittsfield Middle High School believes that preparing students for the 21st century cannot be accomplished without a strong and sustained emphasis on all students’ health and wellness. Today’s world has exploded with physical, mental, and social influences that affect not only learning in school, but also the lifelong health of the citizens that schools are preparing for graduation. Physical Education prepares students to function optimally as students, global citizens, and workers who demonstrate personal responsibility for one’s health and fitness through an active, healthy lifestyle that fosters a lifelong commitment to wellness.
Physical Education II  (0802)  Grade 9-12  Credit: .5  Graduation Requirement: Physical Education

**PREREQUISITE:** Successful completion of Physical Education

This course is the continuation of Physical Education. It is specifically designed for students who have successfully completed Physical Education.

Lifetime Fitness Activities  (0804)  Grade 9-12  Credit: .5  Graduation Requirement: Physical Education

**PREREQUISITE:** Completion of 2 semesters of Physical Education & instructor approval

Students will participate in activities designed for improving lifetime fitness skills, such as golf, tennis, walking, jogging, cross training, bowling, and other aerobic activities. Students will be required to organize, instruct and evaluate fitness activities.

I.P.E.P. (Individual Physical Education Program)  (0805)  Grade 9-12  Credit: .5  Graduation Requirement: Physical Education

**PREREQUISITE:** Successful completion of ½ credit of PMHS Physical Education I with a B or better and instructor approval

Students will fulfill the objectives listed below as they represent the physical education graduation requirements:

1. Successfully complete one semester of standard physical education class.
2. Be actively involved in an approved athletic program for a full season.

**STUDENTS ENROLLED IN THIS PROGRAM WILL AGREE TO DO THE FOLLOWING:**

1. Keep a daily notebook of practice events, what they learned and how it will help them to be a better athlete, and game summaries of their performance.
2. Meet with the high school physical education teacher on a weekly basis before or after school or during a study hall that coincides with physical education teacher’s availability.
3. Do an end of season reflection on how participating in the sport has helped them master the course competencies.

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**MATHEMATICS**

Students graduating must earn three credits of mathematics as well as be enrolled in a mathematics or math-related course each year they are in high school. Courses noted with “MRC” in this program satisfy the math-related requirement. The sequence of courses chosen will depend on the individual student's mastery. **NOTE:** Selected mathematics courses are divided into half-year segments.

- Computation work (method) must be shown.
- Calculators will be integrated in an appropriate manner by the instructor.
- Graphing calculators will be required for most math courses.

(1107) Individual Math I  (1101) Math Foundations
(1112) Algebra 9-10  (1131S1) Geometry Segment 1
(1133) Senior Math  (1131S2) Geometry Segment 2
(1132) Algebra II  (1117) Advanced Math
(1123) College Algebra (RS)*  (1119) Intro to Calculus

*RS= Running Start course with an option for dual credit (high school & college) through NHTI.
Individual Math (1107) Credit: 1
Grade 9-12 Graduation Requirement: Mathematics

PREREQUISITE: Recommendation by current math instructor and Special Education Department.
The Pittsfield Middle High Schools Individual Mathematics program is designed specifically for students
with moderate to severe disabilities. This program focuses on the development of basic math skills as
well as mathematical life skills that will be needed upon leaving Pittsfield Middle High School. Functional
mathematical skills will be incorporated along with applying mathematical skills to everyday living
situations. The individual math class will utilize the community, school, and kitchen setting.

Math Foundations (1101) Credit: 1
Grade 9 Graduation Requirement: Mathematics

PREREQUISITE: Recommendation of grade 8 math teacher
This course follows the completion of grade 8 math, and prepare students for Algebra I. Students will
develop skills with positive and negative numbers, graphing, variable expressions, and linear
equations. Our standards require mathematical practices to be used in all content topics, this course
will assess these practices based on: self-checks, communication, perseverance, use of appropriate
tools, precision, and the ability to construct viable arguments. Students who demonstrate mastery of
the course competencies earn 1 high school math credit toward the 3 math credit graduation
requirement. (NOTE: this course does not satisfy the Algebra requirement)

Algebra 9-10 (1112) Credit: 1
Grade 9-12 (Grades 7 & 8 with instructor approval) Graduation Requirement: Algebra

PREREQUISITE: Recommendation by current math teacher. This course meets the NH state requirement
for 1 credit in algebraic concepts (Algebra I).
Students will increase their understanding of algebraic concepts through the study of four general
mathematical topics during this course: Linear Functions, Systems of Equations, Linear Inequalities, and
Polynomials (including exponent properties). Our standards require mathematical practices to be used
in all content topics, this course will assess these practices based on: self checks, communication,
perseverance, use of appropriate tools, precision, and the ability to construct viable arguments.

Geometry Segment 1 (1131S1) Credit: .5
Geometry Segment 2 (1131S2) Credit: .5
Grade 9-12 Graduation Requirement: Mathematics

PREREQUISITE: Successful completion of Algebra I. Student must pass segment 1 of the course before
moving onto Segment 2.
This course follows completion of Algebra I. Topics studied will include triangles, congruence, areas,
similar polygons, circles, area/volume of solids, right triangles, coordinate geometry, logic, proofs,
functions/graphs, real numbers and equations, inequalities, radicals, and quadrilaterals. Geometry is
designed to prepare students for the rigors of college mathematics. In this course students should
expect an appropriate homework load on a daily basis which will require standard, out-of-class
preparation time. Students will be expected to demonstrate a substantial breadth and depth of
knowledge by the end of the course. Our standards require mathematical practices to be used in all
content topics, this course will assess these practices based on: self-checks, communication,
perseverance, use of appropriate tools, precision, and the ability to construct viable arguments.
Graphing calculators will be integrated.
PREREQUISITE: Successful completion of Algebra I
This course follows successful completion of Geometry. Topics studied will include rational and polynomial equations, systems of equations and inequalities, linear programming, irrational/complex numbers, polynomials, quadratic functions, radical expressions and equations, conic sections, and probability, and statistics. Students are expected to have mastered Algebra I skills, and should be prepared to set aside time for regular homework assignments. Graphing calculators will be integrated.

NOTE: Students wishing to take Geometry and Algebra II concurrently should consult their current instructor and obtain administrative approval. This option is intended only for students with a grade of 3.1 or higher in Algebra I planning to continue with higher level math courses.

Senior Math (1133) 
Graduation Requirement: Mathematics
Grade 12 (Grade 11 with instructor approval)

PREREQUISITE: Successful completion of Algebra I and Geometry/Statistics
This is a survey course, focusing primarily on the algebra skills needed to enter the workforce or community colleges. The rules and properties of algebra will be reviewed. Students will develop facility in simplifying and evaluating polynomial expressions, as well as solve linear equations and inequalities, quadratic equations, and systems of linear equations. Emphasis will be placed on applying these skills in solving real world problems.

Advanced Math (1117) 
Graduation Requirement: Mathematics
Grade 11 & 12

PREREQUISITE: Successful completion of Geometry and Algebra II with a final grade of “B” or higher (or instructor approval)
This is an advanced and rigorous course designed for those students who plan to continue in the field of mathematics in college. It will provide students with a strong background in trigonometry, including verifying trigonometric equations and simplifying trigonometric expressions. Topics studied will include exponential and logarithmic functions, and analysis of polynomial, rational equations. Graphing calculators will be integrated. This course provides students with the requisite skills to take Calculus. Graphing calculators will be integrated.

Intro to Calculus (1119) 
Graduation Requirement: Mathematics
Grade 12

PREREQUISITE: Final grade of “B” or higher in Advanced Math (or instructor approval)
This course explores many concepts necessary for the standard calculus sequence including the following topics: prerequisites for calculus, limits and continuity, derivatives, applications for derivatives, integration, application of definite integrals, calculus of transcendental functions, techniques of integration, infinite series, planes, curves, and analytic geometry in space. Graphing calculators will be integrated.

College Algebra (RS) (1123) 
Graduation Requirement: Mathematics
Grade 12 (Grade 11 with instructor approval)

There is an option for students to take this course as a dual-credit class through NHTI’s Running Start program. Students will sign up in September for a 4 credit college course.

PREREQUISITE: Final grade of “B” of higher in Algebra II
This course provides students with the option of dual enrollment through college, thus earning college credit. College Algebra is the standard math course taken by many college freshmen, and includes traditional algebra topics such as linear, quadratic and higher degree equations; rational, radical, exponential, and logarithmic equations; graphs of functions; models and applications of functions; systems of linear equations; matrices, conic sections; sequences and series; trigonometry.
Three credits in science are required for graduation; Biology, Physical Science, and one additional credit in a science elective. NOTE: Selected science courses are divided into half-year segments.

| Biology Segment 1 | (1303S1) | Credit: .5 |
| Biology Segment 2 | (1303S2) | Credit: .5 |
| Grade 9-12 | Graduation Requirement: Biology |

**Science Lab**

PREREQUISITE: Students must pass segment 1 of the course before moving onto segment 2. This course fulfills the NH State requirement of one life science credit for graduation.

Biology covers the study of life from its chemical basis to the structure and function of the organism. Areas of study include Scientific Method, Chemistry of Life, Ecology, Cell Structures and Functions, Photosynthesis and Cellular Respiration, Mitosis/Meiosis, DNA, Genetics, Adaptations, and Human Body Systems. Students will understand and use scientific vocabulary and develop lab skills including making observations, experimentation, data analysis, and forming conclusions. Students will learn the proper use of lab equipment and will develop their organizational skills, ability to read within the content area and study skills.

| Physical Science Segment 1 (MRC) | (1330S1) | Credit: .5 |
| Physical Science Segment 2 (MRC)(SciLab) | (1330S2) | Credit: .5 |
| Grade 10-12 | Graduation Requirement: Physical Science |

**PREREQUISITE:** Successful completion of or currently taking Algebra I. This course meets the graduation requirement for Physical Science and prepares students for Chemistry and Physics. Topics include electricity, magnetism, waves (sound, light, and EM), Newtonian mechanics, properties and classifications of matter, and basic atomic structure. Students are required to keep a notebook. Experiment design and mathematical analysis are emphasized throughout the course. In addition to numerous experiments, mathematical problem sets, and reading assignments, students complete two engineering projects (electric motors and contraption vehicles) and two research presentations (wave devices and chemical elements).

| Applied Physics I: Robotics (MRC) | (1315) | Credit: .5 |
| Grade 10-12 | Graduation Requirement: Science |

**Science Lab**

**PREREQUISITE:** Successful completion of Physical Science Segment 2 or equivalent Physical Science mechanics coursework.

In this project-based STEM course, students will develop their engineering method, programming skills, and understanding of gears. Students will design, construct, program, and analyze LEGO RCX, NXT or EV3 robots. Students will be required to maintain engineering journals for all projects, and there are summative exams on programming and gears. This course is also available in blended learning and ELO forms for students who cannot fit the face-to-face class into their schedules. Advanced students may take an independent study version of the course using a C-based programming language and/or more advanced structures work.
Intro to Earth Science (1317)  Credit: .5
Grade 10-12

PREREQUISITE: Successful completion of Biology segment 1 or instructor approval. The four basic areas of Earth science are: geology, meteorology, oceanography, and astronomy. Today we live in a time when the Earth and its inhabitants face many challenges. Earth’s climate is changing, society is challenged to develop new sources of energy that will have minimal impact on climate and locate new sources of metals and other mineral resources as current sources are being depleted. Society must determine how Earth’s increasing population can live and avoid serious threats such as volcanic activity, earthquakes, landslides, floods and more. These are just a sampling of the problems where solutions depend upon a deep understanding of Earth science.

Technical Chemistry (1332)  Credit: .5
Grade 11 & 12

PREREQUISITE: Successful completion of Physical Science
This course is designed to introduce students to chemistry. It will take place in the classroom and laboratory. Lab safety is the top priority in this course. Topics include science processes, matter, periodic table, compounds, and bonding. Basic math, graphing, and writing skills are needed for problem solving and labs.

Environmental Science (1302)  Credit: .5
Grade 10-12

PREREQUISITE: Successful completion of Biology
This course is designed to introduce students to major ecological concepts and the environmental problems that affect the world in which we live. Topics include: biomes, ecosystems, the role of living things in ecosystems, pollution, overpopulation, and habitat destruction. Students will become aware of the interactions of people and their environment while investigating alternatives for protecting the environment and moving toward a sustainable future.

Chemistry Segment 1 (MRC) (1305S1)  Credit: 5
Chemistry Segment 2 (MRC) (1305S2)  Credit: .5
Grade 11 & 12

Science Lab

PREREQUISITE: Successful completion of Algebra I and Physical Science both Segment 1 and 2.
This course is designed to prepare students for a post-secondary chemistry course and to get students active in scientific inquiry. It will take place in the classroom and laboratory. Lab safety is the top priority in this course. Topics include: science processes, matter, periodic table, compounds, molecules, reactions, balancing equations, stoichiometry, and composing lab reports.

Anatomy and Physiology Segment 1 (1336S1)  Credit: .5
Anatomy and Physiology Segment 2 (1336S2)  Credit: .5
Grade 11 & 12

Science Lab

PREREQUISITE: Successful completion of Biology and Chemistry. Students must pass segment 1 of the course before moving onto segment 2.
This course is designed to prepare students for a post-secondary medical or biological science course. Students will investigate the structure and function of the human body from the cellular level to the organism level. Topics include: cells, tissues, organs, and systems of the human body; homeostasis; disease; and conducting investigations. Students will have the opportunity to dissect organisms to enhance their knowledge and experience.
**SOCIAL STUDIES**

Students must successfully complete a minimum of 3 credits of social studies for graduation.  
*NOTE: Selected social studies courses are divided into half-year segments.*

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<thead>
<tr>
<th>Course</th>
<th>Grade</th>
<th>Credit</th>
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<tbody>
<tr>
<td>(1502S1) Geopolitical Studies Segment 1*</td>
<td>9</td>
<td>.5</td>
</tr>
<tr>
<td>(1502S2) Geopolitical Studies Segment 2*</td>
<td>10</td>
<td>.5</td>
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<tr>
<td>(1531) Economics</td>
<td>10</td>
<td>.5</td>
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<tr>
<td>(1530) American Government*</td>
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</table>

*Required for graduation

**Geopolitical Studies Segment 1**

PREREQUISITE: Students must pass segment 1 of the course before moving onto segment 2.

Geopolitical Studies is designed to provide students with an understanding of physical and human systems and how people interact with the environment. Students will learn how to use geographic tools as they explore the physical and political landscape of the world’s land regions. The course will provide students with an understanding of cultural elements and social, political, and economic challenges of the past and present. The overall aim of the course is to expand students’ knowledge of the world around them and to gain a better understanding of human development.

**Economics**

Credit: .5

**Graduation Requirement: Economics**

Economics is designed to inform students about basic economic concepts and for them to understand how economics affects individuals, businesses and the government. Students will study how limited resources are used to meet society’s unlimited needs and wants including how goods and services are produced and distributed. Students will learn their role in the economic system as they study concepts of microeconomics and macroeconomics. The overall aim of the course is for students to make effective decisions as consumers, producers, savers, investors, and as citizens.

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<tr>
<th>Course</th>
<th>Grade</th>
<th>Credit</th>
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<tbody>
<tr>
<td>(1532S1) United States History Segment 1</td>
<td>11</td>
<td>.5</td>
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<tr>
<td>(1532S2) United States History Segment 2</td>
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**Graduation Requirement: US History**

*It is recommended that this course be taken in conjunction with English 11: American Literature.*

United States History is a program designed to help students develop academic and social skills needed for college while becoming more knowledgeable about our nation’s past from the beginnings of democracy to the present. It will provide students with numerous opportunities to demonstrate an understanding and appreciation of our nation’s history and heritage while clarifying and elaborating upon their understanding of significant historical concepts and information. Students will be expected to complete challenging reading, research, writing, and project assignments on time.

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<thead>
<tr>
<th>Course</th>
<th>Grade</th>
<th>Credit</th>
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<tbody>
<tr>
<td>(1533A) Global Issues A</td>
<td>10-12</td>
<td>.5</td>
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<tr>
<td>(1533B) Global Issues B</td>
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**Graduation Requirement: Elective**

Global Issues is a program for students who are fine-tuning their academic and social skills for admission to the college of their choice. Students will be expected to complete challenging reading, writing, research, problem solving, and project assignments each quarter. Students will complete inquiry based on learning projects, will research weekly current events, and will participate in group discussions about issues that are impacting the world around us.
American Government (1530) Credit: .5
Grade 12
Graduation Requirement: American Government

American Government is designed to enlighten students about our nation’s government structure, functions, and processes. Students will learn what it means to be a responsible and knowledgeable citizen and understand the importance of participating in the political process. The course will focus on the purpose of government and the principles which laid the foundation for the United States Constitution. In addition, students will learn the role of the branches of government and how they interact within the government system. The overall aim of the course is for students to gain a stronger understanding of the American government system and their role as citizens in public affairs.

WORLD LANGUAGE

HS World Language: Rosetta Stone (0700) Credit: Variable
Grades 9-12
Graduation Requirement: Elective

Students will be able to pick any world language that Rosetta Stone offers (www.rosettastone.com). They will work through the online course materials with the support of a program coordinator. Available languages include:
Spanish, French, English, Italian, German, Arabic, Chinese, Dutch, Greek, Hebrew, Hindi, Irish, Japanese, Korean, Persian, Polish, Portuguese, Russian, Swedish, Turkish, Vietnamese

Through the completion of Rosetta Stone units (number of units per credit varies by language), students will be able to earn up to two World Language Credits in their chosen language.

Independent study courses in World Language can be arranged with instructor approval, provided prerequisites have been met. All independent study courses must be organized as Extended Learning Opportunities through the appropriate teacher. In addition, a variety of World Language options are available through Virtual Learning Academy Charter School (www.VLACS.org).

OTHER COURSES

Guided Study (1784) No Credit
Grades 9-12

Guided Study is available to students who require a focused and monitored study period. Guided Study is supervised by teachers who will assist the student with classes they need extra help with. Students will also learn organizational skills and research tools. Senior release will not be allowed during Guided Study.

Life Skills (MRC) (1800) Credit: 1
Graduation Requirement: MRC, Elective

PREREQUISITE: Recommendation by the Special Education Department
The Pittsfield Middle High Schools Life Skills program is designed specifically for students with moderate to severe disabilities. This program focuses on the development of transition skills as well as developing connections with the community for future volunteer and or job opportunities after leaving high school. Academic skills will be incorporated along with community skills, self-management skills, daily living skills, cooking skills, and employment skills for students. The Life Skills program will utilize the community, school, and kitchen setting.
Driver Education  
(0600)  
Credit: .25  
Graduation Requirement: Elective

It is the responsibility of each student to submit a copy of their Certificate of Completion to the Career Readiness office in order to receive credit.
CRTC: BE PREPARED TO STAND OUT

One of 27 high school Career and Technical Education centers across New Hampshire, the Concord Regional Technical Center (CRTC), since 1980, has helped thousands of students from nine Concord-area high schools to earn a tremendous head start, as well as a competitive edge, as they move towards developing and then implementing their own personalized college and career plan. Because of the level of preparation received, CRTC graduates stand out to college and military recruiters, employers and career professionals.

The CRTC, as part of our mission, vision and core beliefs, utilizes a robust Career Pathway model to help students reach their goals in the most strategic manner possible. Opportunities for CRTC students include:

- Engaging in meetings, internships and job shadows with career professionals
- Earning nationally recognized industry certificates and/or licensure
- Completing numerous dual enrollment college classes (with transcripts)
- Acquiring (with evidence) industry-ready technical skills
- Demonstrating (with evidence) employability/workplace-ready professional skills
- Attaining targeted, career-specific writing, presentation and math skills
- Working in an entry-level position in the industry
- Developing the beginnings of a professional network

Unlike most courses at CHS, students are required to apply to their desired CRTC program. The application, available at http://theCRTC.net, involves students telling us a bit about themselves; in addition, we also review attendance, transcripts and other information as part of the application process.

The gross majority (95%) of new CRTC applicants apply by late-February and are notified of their status in mid-April. Completed applications should be given to school counselors except during the summer, when students should contact our office directly. The majority of new applicants are sophomores (who will be juniors when they start at the CRTC in September). Current freshman, who have demonstrated maturity, are also strongly urged to apply especially in Construction Trades, Auto Tech and Culinary & Pastry Arts. We also always have a handful of seats available for seniors in our level I classes.

Enrolling in the CRTC is a significant commitment and we want to help students make the right personal decision. To do so, there are many formal opportunities to learn about the CRTC, especially during the
months of January and February. Events include informational assemblies, CRTC Preview Days, lunch informational tables as well as classroom visits and 1:1 teacher talks. All information, including a calendar and an overview brochure, are available online. Our job is to help students and parents in every manner possible learn about the CRTC. In most cases this involves meeting current students, alumni, industry partners and of course, our industry-proven teachers.

<table>
<thead>
<tr>
<th>Year I</th>
<th>Year II</th>
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<tbody>
<tr>
<td>Automotive Technology I</td>
<td>Automotive Technology II</td>
</tr>
<tr>
<td>Computer Engineering I</td>
<td>Computer Engineering II</td>
</tr>
<tr>
<td>Construction Trades I</td>
<td>Construction Trades II</td>
</tr>
<tr>
<td>Cosmetology I</td>
<td>Cosmetology II</td>
</tr>
<tr>
<td>Criminal Justice I</td>
<td>Criminal Justice II</td>
</tr>
<tr>
<td>Culinary &amp; Pastry Arts I</td>
<td>Culinary &amp; Pastry Arts II</td>
</tr>
<tr>
<td>Education &amp; Behavioral Science I</td>
<td>Education &amp; Behavioral Science II</td>
</tr>
<tr>
<td>Emergency Services I</td>
<td>Emergency Services II</td>
</tr>
<tr>
<td>Graphic Design &amp; Creative Media I</td>
<td>Graphic Design &amp; Creative Media II</td>
</tr>
<tr>
<td>Health Science I</td>
<td>Health Science II</td>
</tr>
<tr>
<td>Theater &amp; Film: Acting I</td>
<td>Theater &amp; Film: Acting II</td>
</tr>
<tr>
<td>Theater &amp; Film: Production and Design I</td>
<td>Theater &amp; Film: Production and Design II</td>
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</tbody>
</table>

All CRTC classes include embedded and applied math to meet the state’s “4 years of math” requirement (except Education & Behavioral Science)

CRTC+ (Additional CRTC opportunities)
- Replace regular high school class(es) with on-campus “Early College” CCSNH class(es) specifically in your career pathway.
- Work an expanded internship or pre-apprenticeship.
- Pursue an advanced industry-recognized certificate.
- Assume an expanded role in our in-house businesses: Automotive Technology Shop (Auto Tech+), Crimson Tide Preschool (Education and Behavioral Science +) and Crimson Cafe (Culinary & Pastry Arts +) by doubling class time in your senior year.
- Enroll in our customized CRTC Career Communication English class for .5 or 1 English credit.

DUAL CREDIT ENROLLMENT:
Many of the Concord Regional Technical Center programs offer a dual credit option. Dual credit is the optional opportunity for students to earn college credits while in high school. One such program is the NH Community College System’s Project Running Start. With Running Start, a relationship is formalized between one of our programs and a particular community college course. Once established, students pay at most $150 (financial aid is available) at the start of our course and, upon satisfactory completion, earn college credit, as well as high school credit. STEM courses can also be free when covered by the Governor’s STEM Scholarship. Once satisfactorily completed, the course and grade is listed on a college transcript, which students receive in addition to their high school transcript. In most cases, the college course expectations are fully integrated into the class and no additional work is expected. In addition to Project Running Start, we have additional Dual Enrollment relationships with other colleges, such as Southern New Hampshire University, that work in a similar fashion. We strongly urge every student to participate.

All relationships are re-established on an annual basis and are not guaranteed until the start of the school year. Present Running Start (RS)/Dual Enrollment (DE) and Articulation Agreement (AA) relationships include:

Present Running Start (RS)/Dual Enrollment (DE) and Articulation Agreement (AA) relationships include:

AUTOMOTIVE TECHNOLOGY
AUTO111-Introduction to Automotive Services (RS-Manchester Community College); AUT100-Introduction to Automotive; AUT200-State Inspection (AA-Central Maine Community College); LAUT1200-Introduction to Automotive Service; LAUT1211-Automotive Systems (AA-Lakes Region Community College)

Certifications Available:
ASE; Snap-On Solus Pro Scan Tool; Snap-On 504 Electrical Meter; SP-2 Mechanical Safety and Pollution Control Certificates.
COMPUTER ENGINEERING (IT)
ROBO211M Robotic Design; ADMT110M Manufacturing Processes; ADMT115M Engineering Printing Reading;
IST110C Programming Fundamentals (all at MCC)
AP Computer Science Principles Exam.

CONSTRUCTION TRADES
MCC: Articulation Agreement
Certifications Available: NCCER credentials in Welding, Electrical, Plumbing, Masonry and Carpentry; SP2 Welding
OSHA-10 Hour Card

COSMETOLOGY
Cosmetology students do not earn dual enrollment credit due to the structure of post-secondary cosmetology programs; but, upon successful completion of a competency exam (taken before starting a post-secondary program), students from our program are credited 360 of the 1,500 hours required to earn their NH State Cosmetology License. Most post-secondary cosmetology schools embrace this opportunity.
Certifications Available: Paul Mitchell Color Application, Long Hair Styling, and Product Knowledge; S/P2
Cosmetology; 21st Century Skills; Human Resources; Safety and Environment; Cuccio Gel

CRIMINAL JUSTICE
NHTI: CJ101-Introduction to Criminal Justice • Criminology; CJ121-Criminal Procedure; CJ123-Criminal Law (RS-NHTI); CJ101-Introduction to Criminal Justice; CJ215-Police Operations (Articulation Agreement with Husson University)

CULINARY & PASTRY ARTS
LCUL1460-Bakery Production; LCUL1510-Culinary Fundamentals; LCUL1520-Sanitation and Safety; LHOS2160-Catering (RS-LRCC); Safety and Sanitation; Servsafe course (Articulation Credit with Culinary Institute of America and UNH Thompson School)
Certifications Available: ServSafe National Restaurant; Education Foundation Food and Sanitation Certificate; ProStart National Restaurant Education Foundation Certificate

EDUCATION & BEHAVIORAL SCIENCE
EDU200-Introduction to Education (1st year students), SPED210-Early Childhood Issues/Disabilities & EDU270-Foundations of Teaching and Learning (2nd year students) (DE-SNHU)
Certificates Available: CPI (Crisis Prevention Institute) Certification

EMERGENCY SERVICES
LRCC: Articulation Agreement for students who attend LRCC for completion of Firefighter I (6 credits) and/or EMT-Basic (3 credits)
Certifications Available: EMT Certificate (year II); First Aid/CPR Certificate; Firefighter I Certificate (year II); Hazardous Materials Awareness/Operations Certificate; SCBA Certification; Wildland Certification

GRAPHIC DESIGN & CREATIVE MEDIA
GDES110-Page Layout & Design; GDES115-Digital Imaging; GDES155-Computer Illustration; (RS-MCC) VRTS193-Introduction to Photoshop (RS-NHTI)
Certifications Available: Adobe Associate Certifications in Photoshop, Illustrator, InDesign and Premiere

HEALTH SCIENCE
EXER105-Essentials of Exercise Science; (RS-MCC) HS101-Medical Terminology (RS-NHTI)
Licensed Nursing Assistant: Dual Enrollment with LRCC for 5 Credits;
Licensing Available: EMR (License upon successful completion of State Exam) – not offered every year
LNA (upon successful completion of State Exam)
ACE – not offered every year
THEATER & FILM: ACTING PATHWAY AND PRODUCTION & DESIGN PATHWAY
THTR101C-Acting 1 (RS-NHTI) 3 credits
UNH Articulation Agreement (Production & Design); Recognition through National and State Filmmaking Contests

To prepare students for success, our entire organization focuses its energies upon helping students to develop and improve both professional (soft) skills and technical (competency) skills. We take pride in establishing performance targets that are valued by our industry and higher education partners. The CRTC specifically defines and measures the following soft skills for every student: Collaboration, Communication, Inventiveness and Self-Direction.

Demonstrating the best of these skills is emphasized and expected of all students. Many of our students earn the opportunity to complete an internship or job shadow experience, where possessing effective professional skills is a non-negotiable requirement, given that students will be interacting with the partner’s valued customers, clients, and employees. Students who succeed at the CRTC understand these expectations and strive for feedback and improvement at all times.

PROGRAMS/COURSE DESCRIPTIONS

AUTOMOTIVE TECHNOLOGY I – CT1023
90-minute classes 5 Days/Week, Full Year 2 Credits
A proposed Project Running Start college credit-bearing course (approved on an annual basis with the NH Community College System).

This course covers the fundamentals of the automobile and the internal combustion engine. A laboratory program provides students a “hands-on” experience using their own engines. It is recommended that students obtain a used “salvage” engine before entering the program. Students attain skills using a variety of industry-standard tools as they disassemble and reassemble the engine. Students learn proper lab and shop safety techniques. Other areas of learning include: engine performance and repair, exhaust systems, steering and suspension systems, and brakes. Repair work will be done as it relates to lab experiences. After completing the Automotive Technology I Program, the student will know all the parts of an internal combustion engine, the procedure for service and replacement of engine parts, timing procedures, how to read micrometers to take vital measurements, and basic engine-testing methods. Students have the opportunity to take 3 ASE tests: Engine Repair, Brakes and Steering & Suspension.

Suggested Prerequisite courses: Algebra, Geometry
Suggested Simultaneous courses: Physics, Technical Writing, Business Management, Accounting

AUTOMOTIVE TECHNOLOGY II – CT1033
90-minute classes 5 Days/Week, Full Year 2 Credits
A proposed Project Running Start college credit-bearing course (approved on an annual basis with the NH Community College System).

This course emphasizes engine diagnosis, electrical systems, on-board computer, electronic diagnostic equipment, fuel injection & emission systems, brakes, steering & suspension, alignments, heating & air conditioning. Standard and automatic transmissions and transaxles will be covered, along with differential gears relating to automotive drivelines. Students participate in a shop environment, where they will perform automotive repairs on vehicles scheduled in the facility. After completing the Automotive Technology II program, the student will have acquired all the basic skills required to start working in a position as an entry level automotive technician. Students who demonstrate proficiency at the core competency will be prepared to be successful to enter a post-secondary school’s Automotive Technology Program. All Automotive Technology II students are required to participate in an internship based on shadowing a technician at a local dealership. Students have the opportunity to take 5 ASE tests: Automatic Transmission, Manual Transmission, Engine Performance, Electrical, Heating & Air Conditioning.

Suggested Prerequisite courses: Algebra, Geometry
Suggested Simultaneous courses: Physics, Technical Writing, Business Management, Accounting
COMPUTER ENGINEERING I & II - CT1187 & CT1197
(currently a mix of year one and year two students)
90-minute classes 5 Days/Week, Full Year 2 Credits

A proposed Project Running Start college credit-bearing course (approved on an annual basis with the NH Community College System) The CTE curriculum for Computer Engineering I and II cover common and accepted competencies associated with national and state-based Digital Technology and STEM standards. CHS students who successfully complete Computer Engineering I and II earn credit towards graduation expectations related to Digital Education and a 4th year of embedded math. Sending school students can petition their home school to seek a similar structure. Some are already approved.

Computer Engineering represents a shift from the traditional Information Technology Program. Curriculum includes one year of AP level Computer Science Principles and one year of Engineering for Robotics and Automation (including design, build, program, and test). There is significant emphasis on programming logic and strategies for computer applications, as well as engineering processes and programming applied to industrial robots and automated machinery (CNC). In essence, this program combines skills and competencies related to computer science, advanced manufacturing, machining, mechatronics, and information technology into one a more robust comprehensive program.

During the Computer Science year, emphasis is placed on ethics, global impacts of computing, abstraction, algorithm development, big data, the Internet, cyber security, and programming languages (Python, C, C#, HTML5, CSS, JavaScript, and explore SQL and PhP). The PLTW curriculum structure is aligned to and approved by the College Board for the Advanced Placement Computer Science Principles exam and is enhanced with additional hardware, networking, and cyber security activities/projects. During the Robotics and Automation year, the focus is on engineering automated industrial systems to manufacture products using robotic arms and CNC milling, and is supported by applying related engineering processes (safety, design concepts, print reading, metrology, electronics, pneumatics, mechanics, and quality assurance concepts) following the PLTW Computer Integrated Manufacturing curriculum. They develop CAD/CAM programs through solid modeling software that rely on geometric modeling to post 3D printing files and CNC programs that both rely on G&M geometry code.

The classroom includes a 30-desktop computer lab, in addition to a fabrication lab that houses industrial equipment including a CNC milling machine, material, cutting tools, hand and power tools, 3D printers, robotic arms and a tool crib to store all associated tools and robotic equipment (motors, sensors, pneumatic and electrical components) so that students can practice design engineering, create/analyze programs, and convert those designs into actual industrial parts. These processes provide a foundation for numerous certificates, 2-4 year college opportunities, as well as high-demand, high-paying employment careers in New Hampshire and beyond. The program balances a strong foundation of theory and practice around the world of computing and its global impact across a variety of industries. While this class is very relevant for anyone pursuing a career in computer science, advanced manufacturing, or any STEM technology field, all students can benefit from a strong foundation in Computer Engineering, where the concepts learned can be applied to nearly every career field.

Suggested Prerequisite courses: Algebra I & II, Basic Computer Class, Full course load aligned to preparing for a 4-year college
Suggested Simultaneous courses: Computer Programming Courses, Advanced Math Courses, Project Lead the Way (or similar)

CONSTRUCTION TRADES I – CT1083
90-minute classes 5 Days/Week, Full Year 2 Credits

This program is designed to teach students a mix of skills in the construction trades that lead to high paying high demand jobs in the construction industry. This includes NCCER credentials in Welding, Electrical, Plumbing, Masonry and Carpentry. The first focus in Construction Trades I is core construction and safety skills. Students learn both residential home construction and, to some degree, commercial construction. When focusing on electrical or plumbing students will learn theory and then engage in extensive hands-on activities related to the specific discipline.

Suggested Prerequisite courses: Algebra, Geometry
Suggested Simultaneous courses: Physics, Technical Writing, Business Management, Accounting

CONSTRUCTION TRADES II – CT1093
90-minute classes 5 Days/Week, Full Year 2 Credits

This course will continue to sharpen student’s skills in the construction trades which cover more advanced aspects of carpentry trade work, including: siding application and interior and exterior trim. Students will participate in OSHA training and receive a ten-hour OSHA card. Students will also further their studies in other specific trades which they did not learn in their first year. They will also learn “Green Building” techniques and its impact on the building industry.
Students will hear from experts in the field and engage in complex jobs related to the trades. Students will also develop the soft skills sought in the industry including dealing with customers, employees, and co-workers around such areas as working safely, displaying job-seeking and job retention skills, and demonstrating leadership ability.

*Suggested Prerequisite courses: Algebra, Geometry*
*Suggested Simultaneous courses: Physics, Technical Writing, Business Management, Accounting*

**COSMETOLOGY I – CT1403**

*90-minute classes*  
*5 Days/Week, Full Year*  
*2 Credits*

Cosmetology and barbering are major components of a multi-billion dollar industry. Cosmetology is the art and science of beautifying hair, skin, and nails. Our program provides the opportunity to explore a variety of careers in this large and diverse field of study. The employment opportunities range from working behind the chair in a hair salon or barbershop to being a stylist on a major film production, or becoming a platform artist on stage. The possibilities are endless.

In Cosmetology I, students are exposed to a blend of classroom instruction and hands-on learning experiences using a human hair mannequin in a simulated salon environment. Students learn a variety of hairstyling techniques, such as shampooing and scalp massage; manicures & nail design, and proper sanitation. Students will need to purchase an Internship License; and it is recommended they purchase a personal cosmetology tools/supplies kit.

*Suggested Prerequisite courses: Biology, Art (Color Theory)*
*Suggested Simultaneous courses: Business Math, Technical Math, Business Management, Accounting*

**COSMETOLOGY II – CT1413**

*90-minute classes*  
*5 Days/Week, Full Year*  
*2 Credits*

Gain new skills in the areas of pedicures, facials, waxing, hair design, and makeup. In addition, students will be exposed to the business side of the cosmetology industry and salon management. Students will have the opportunity to work directly with customers in the salon and job-shadow professional cosmetologists. Upon successful completion of this two-year program and the State competency exam, students will be able to transfer their hours to a post-secondary school. It is recommended that second-year students purchase additional tools and supplies.

*Suggested Prerequisite courses: Biology, Art (Color Theory)*
*Suggested Simultaneous courses: Business Math, Technical Math, Business Management, Accounting*

**CRIMINAL JUSTICE I: Criminal Procedure – CT1225 / CRIMINAL JUSTICE II: Criminal Law - CT1226**

(mixed class of year one and two students)

*90-minute classes*  
*5 Days/Week, Full Year*  
*2 Credits*

A proposed Project Running Start college credit-bearing course (approved on an annual basis with the NH Community College System)

The Criminal Justice course is designed to provide the student with an overall understanding of the Criminal Justice system, to include: law enforcement, the court system, juvenile justice, and the corrections system. Students learn the history and theory of criminology and the historical origins and development of criminal law, as well as the constitutional issues. Students will have contact with professionals from law enforcement, the court system, juvenile justice, and corrections. In addition to classroom work, students will receive practical experience through crime scene investigation, role-plays, mock trials, hiring boards, background investigations, and field trips to local criminal justice agencies and correctional facilities.

*Suggested Prerequisite courses: Full course load aligned to preparing for a 4-year college*
*Suggested Simultaneous courses: Law, Sociology, Psychology, Fitness*

**CULINARY & PASTRY ARTS I – CT1144**

*90-minute classes*  
*5 Days/Week, Full Year*  
*2 Credits*

A proposed Project Running Start college credit-bearing course (approved on an annual basis with the NH Community College System)

This course is designed to educate students to meet the ever-increasing demands of the food service industry. Culinary & Pastry Arts I provides realistic hands-on experience in the principals of working in and operating a kitchen/dining room through the operation of our own Crimson Café restaurant. Areas of instruction covered in the first year of the program are: safety and sanitation, use and care of the equipment, recipe terminology, measurements and equivalents, and customer service techniques. The course also covers quantity preparation techniques for pantry station, short-order station, stock, soup, and sauce station, vegetable station and bakery station. Food service computer experiences are incorporated throughout the year.
CULINARY & PASTRY ARTS II – CT1154
90-minute classes 5 Days/Week, Full Year 2 Credits
A proposed Project Running Start college credit-bearing course (approved on an annual basis with the NH Community College System)

Students gain advanced training in food service skills with an emphasis on management skills. Culinary & Pastry Arts II provides the opportunity to obtain knowledge and experience needed to meet the requirements for entry into post-secondary education courses or jobs within the food service industry. This ProStart certified course emphasizes safety procedures and introduces menu design and nutrition; food service math skills; recordkeeping; purchasing and receiving; quantity and cost controls; poultry, meats, fish and international cuisines. The second year students undertake the management responsibilities of kitchen supervisor, dining room supervisor, storeroom supervisor, menu planner and buyer. Extensive use of computers and research are incorporated into the class.

Students in Culinary & Pastry Arts II receive instruction in the Servsafe Food Safety Sanitation course, sponsored by National Restaurant Association. Students have the option to take a certified Servsafe test and receive a nationally recognized certification from the National Restaurant Association Education Foundation.

Suggested Prerequisite courses: Algebra, Business Math
Suggested Simultaneous courses: Chemistry, Technical Writing, Business Management, Accounting

EMERGENCY SERVICES I – CT1505
90-minute classes 5 Days/Week, Full Year 2 Credits
As a student in our Emergency Services (ES) program, you will build the foundation for a career as a first responder to medical, fire and other emergency situations. In your first year of this two-year program, you will dive into both emergency medical and fire response training, learning daily from active career-professionals. In Emergency Services I (ES1) you’ll be able to earn an Emergency Medical Responder (EMR) certificate, and potentially some fire training certificates including Hazardous Materials Awareness/Operations Certificate, SCBA Certification or Wildland Certification through testing, after classroom and online training. EMT satisfies requirement of Health II.

Note: At present, the ES1 course is only offered from 11:05 am to 12:35 pm daily. Students from Pittsfield and Bow will be allowed (with proper permission) to drive, as buses will not be offered, and additional expectations (20 hours of time on weekends to do practicals). In addition, personal transportation is required.

Suggested Prerequisite courses: Algebra, Geometry
Suggested Simultaneous courses: Chemistry, Physics

EMERGENCY SERVICES II – CT1503
90-minute classes 5 Days/Week, Full Year 2 Credits
The CTE curriculum for Emergency Services II: EMT covers common and accepted competencies associated with national and state-based Health standards. CHS students who successfully complete Emergency Services II: EMT earn credit towards graduation expectations related to Health. Sending school students can petition their home school to seek a similar structure. Some are already approved.

Emergency Services II gives you two certificate driven options: either earning your EMT certificate in our Health Science II class, or earning your Firefighter I certificate by taking an off-site, non-high school course with our support and mentorship through a local fire department, LRCC or the NH Fire Academy. ES2 Firefighter I certificate option requires more time outside the school day.

Both of these certificates open the door to numerous options in the field. For example, becoming and professional fire fighter involves earning a Firefighter I and II certificates as well as EMT. Becoming a paramedic involves building on the EMT certificate by earning an Advanced EMT (AEMT) and paramedic certificates.

Note: At present, the ESII course offered in our Health Science II class is only offered from 9:20 am to 11:00 am daily

Suggested Prerequisite courses: Algebra, Geometry
Suggested Simultaneous courses: Chemistry, Physics, Fitness
EDUCATION & BEHAVIORAL SCIENCE I – CT1004
90-minute classes 5 Days/Week, Full Year 2 Credits
This course is designed for students interested in pursuing a career in which they will help others grow academically, socially, and emotionally. Education & Behavioral Science I familiarizes students with the science of how children develop, learn, and function in a school setting. They also gain essential classroom skills such as how to manage behaviors, create a positive learning environment, communicate effectively, and provide instruction. Classroom instruction includes projects, lectures, notes, handouts, hands-on activities, and unit tests. Education & Behavioral Science I units include Responsive Classroom, Instructional Practices, Curriculum Planning, Classroom Management, Educational Psychology, and Growth and Development. One week per quarter, a licensed counselor is a guest teacher and teaches mini units on counseling techniques such as trauma, informed care and cognitive behavior therapy. During their field work, students have the opportunity to apply their knowledge working with professional mentors in elementary, middle and high school classrooms, and in our Crimson Tide Lab Preschool. This course is aligned to Southern New Hampshire University’s dual enrollment program and students can elect to earn 7 SNHU credits for the following courses: EDU 102- Foundations of Education, EDU 102 Lab, and DEV 106- Child Development. Educators Rising is the co-curricula organization for the Education & Behavioral Science program. Through this organization, students participate in state and national conferences and competitions and have the opportunity for leadership positions at various levels.
Suggested Prerequisite courses: Full course load aligned to preparing for a 4-year college
Suggested Simultaneous courses: Psychology

EDUCATION & BEHAVIORAL SCIENCE II– CT1014
90-minute classes 5 Days/Week, Full Year 2 Credits
A proposed Dual Enrollment college credit-bearing course (approved on an annual basis with Southern NH University)
Students entering Education & Behavioral Science II are expected to have mastered or be proficient in the skills learned in Education & Behavioral Science I. Education & Behavioral Science II takes a deep dive into Universal Design for Learning as students learn about special education and family and culture. Class units include: exceptionalities, differentiated instruction, poverty, family dynamics. Education & Behavioral Science II students have the opportunity to earn certification as a Certified Google Educator. One week per quarter, a licensed counselor is a guest teacher and teaches mini units on counseling techniques such as trauma informed care and cognitive behavior therapy. During their field work, students have the opportunity to apply their knowledge working with professional mentors in elementary, middle and high school classrooms. This course is aligned to Southern New Hampshire University’s dual enrollment program and students can elect to earn 9 SNHU credits for the following courses: DEV 260- Family & Culture, SPED 106- Children with Exceptionalities, and SPED 206- Interventions in Early Childhood. Educators Rising is the co-curricula organization for the Education & Behavioral Science program. Through this organization, students participate in state and national conferences and competitions and have the opportunity for leadership positions at various levels.
Suggested Prerequisite courses: Full course load aligned to preparing for a 4-year college
Suggested Simultaneous courses: Psychology

GRAPHIC DESIGN & CREATIVE MEDIA I – CT1043
90-minute classes 5 Days/Week, Full Year 2 Credits
A proposed Project Running Start college credit-bearing course (approved on an annual basis with the NH Community College System)
The CTE curriculum for Graphic Design and Creative Media I and II each cover common and accepted competencies associated with national and state-based Art standards. CHS students who successfully complete Graphic Design and Creative Media I or II earn credit towards graduation expectations related to art. Sending school students can petition their home school to seek a similar structure. Some are already approved.
This course is a broad-based curriculum designed to include a range of activities associated with the graphic design and creative media industry. Students work in a professional, cutting-edge design lab environment including state of the art computers, digital drawing tablets (Cintiqs), 3D printer, embroidery machine and the states only high school
The CTE program with a direct-to-garment printer. All graphic design projects are industry standard and relevant to career success. Skills developed include learning correct technical composition, graphic design principles, graphic design codes, vector/photo manipulations, color theory, digital illustration and typography. In the first line of the course, students learn these graphic design skills using software applications found in the Adobe CS products such as Photoshop, Illustrator, InDesign, Premier and others. Students will learn how to create professional files in different formats. In addition to print media, students will also be exposed to creative media avenues which includes: video production, motion graphics, 3D sculpting and website design. Students engage in hands-on projects including direct-to-garment printing, mounting, professional critiques and more. The student should be prepared to work individually as well as within groups to produce clear and effective communication. Students will explore and identify career opportunities in the graphic design field as well as engage in portfolio preparation.

**Suggested Prerequisite courses:** Art (Color Theory), Computer Courses, Geometry
**Suggested Simultaneous courses:** Advanced Art, Business Management, Accounting

### GRAPHIC DESIGN & CREATIVE MEDIA II – CT1053

**90-minute classes** | **5 Days/Week, Full Year** | **2 Credits**
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A proposed Project Running Start college credit-bearing course (approved on an annual basis with the NH Community College System)

The CTE curriculum for Graphic Design and Creative Media I and II each cover common and accepted competencies associated with national and state-based Art standards. CHS students who successfully complete Graphic Design and Creative Media I or II earn credit towards graduation expectations related to art. Sending school students can petition their home school to seek a similar structure. Some are already approved.

Students continue to expand professional skills for producing print-ready, media-ready communications from Graphic Design and Creative Media I. Refined and focused attention is given to graphic design principles, creative expression, professional industry based solutions, portfolio creation, web development, shared project management skills, as well as interviewing and project scheduling, peer review, and redesign. Students develop further direct-to-garment printing skills by helping run our in-house t-shirt printing and embroidery business. The key skills emphasized in this semester are mix of technical and professional skills, and real life working experiences as students learn how to adapt and meet customer needs, work in teams and generally accept critique.

During the second portion of this course, students prepare for internationally recognized Adobe Associate Certifications in Photoshop, Illustrator, InDesign and Premiere. Opportunities for extra learning internships, freelance gigs and job shadows are provided as a necessary pathway for career development and success. Students work to develop richer projects based on these key skill areas: project management and collaboration, design, research and communication. Students will continue portfolio development begun in Graphic Design and Creative Media I. Students also have an opportunity to develop the technical skills and knowledge necessary to obtain entry level employment in the graphic design industry, as well as be prepared for post-secondary training.

**Suggested Prerequisite courses:** Art (Color Theory), Computer Courses, Geometry
**Suggested Simultaneous courses:** Advanced Art, Business Management, Accounting

### HEALTH SCIENCE I – CT1123

**90-minute classes** | **5 Days/Week, Full Year** | **2 Credits**
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Health Science I covers all competencies associated with CHS Health II. Students who successfully complete Health Science I are exempt from Health II.

The CTE curriculum for Health Science I and II each cover common and accepted competencies associated with national and state-based Health curriculum. CHS students who successfully complete Health Science I or II can earn credit towards graduation expectations related to Health. Sending school students can petition their home school to seek a similar structure. Some are already approved.

Students in this course will learn about job opportunities in the health profession and explore career options through research, self-assessment and guest speakers in a variety of healthcare professions. There is strong academic emphasis in the following areas: Anatomy and Physiology, Medical Terminology, Infection Control, Safety and Blood Borne Pathogen training. Students will have hands-on experiences with medical equipment in the classroom. Class activities will include lectures, discussions, poster/PowerPoint presentations and research projects. Anatomy labs include some dissection, competitive games and audiovisual learning related to diagnosis, treatment and prevention of disease. Students will be able to perform vision screenings, take vital signs (blood pressure, temperature, pulse and respirations), and demonstrate gown-and-gloving technique and proper use of body mechanics. Students successfully completing Health Science & Technology I will demonstrate competencies in accordance with National Health Care Skills Standards. Students will become certified in CPR for the Professional Rescuer, First Aid & Automated External Defibrillation.
HOS A (Health Occupations Students of America) is an integral part of the program. Through HOSA, students develop leadership and teambuilding skills. It encourages both civic and social responsibility. Students involved with HOSA activities can become more involved with the state and national levels and attend the annual leadership conventions.

Students considering any career in the health care field such as physician, nurse, physical therapist, dental hygienist, veterinarian, or pharmacist would greatly benefit from this course.

Suggested Prerequisite courses: Full course load aligned to preparing for a 4-year college
Suggested Simultaneous courses: Advanced Chemistry, Anatomy & Physiology, Microbiology/AP Biology, Psychology, Human Growth & Development

HEALTH SCIENCE II – CT1133
90-minute classes 5 Days/Week, Full Year 2 Credits
(plus additional hours to do clinical experiences outside the school day to fulfill licensure)
A proposed Project Running Start college credit-bearing course (approved on an annual basis with the NH Community College System)

The CTE curriculum for Health Science I and II each cover common and accepted competencies associated with national and state-based Health curriculum. CHS students who successfully complete Health Science I or II can earn credit towards graduation expectations related to Health. Sending school students can petition their home school to seek a similar structure. Some are already approved.

Health Science & Technology II continues with the completion of studies in Anatomy and Physiology, Safety and Blood Borne Pathogen Training. Attention is focused on the development of specialized tasks and skills for individualized career goals. Students will explore in more depth the areas of anatomy and physiology, mental health, wellness, health care consumerism, the aging process and individualized career development.

As part of the Health Science & Technology II course, beginning in the second semester, students may choose to participate in the Licensed Nursing Assistant (LNA) Program or Emergency Medical Technician (EMT) program. The EMT and LNA programs have fees associated (financial aid and/or payment plans are available); students are also required to attend some evening and weekend clinical experiences to earn licensure. Upon completion of the LNA or EMT program, and passing the corresponding State license exam, the student is licensed.

Upon successful completion of Health Science & Technology II, students will demonstrate all competencies outlined for the program in the Standard Competency Profile and those in accordance with National Health Care Skills Standards.

NOTE: The State of New Hampshire requires an annual Mantoux T.B. test, physical exam and criminal background check for all students entering a clinical setting during the program. (This course satisfies the graduation requirement for HEALTH II.)
Suggested Prerequisite courses: Full course load aligned to preparing for a 4-year college
Suggested Simultaneous courses: Advanced Chemistry, Anatomy & Physiology, Microbiology/AP Biology, Psychology, Human Growth & Development

THEATER & FILM: ACTING I & II – CT1731 & CT1741
THEATER & FILM: PRODUCTION & DESIGN I & II - CT1701 & CT1711
90-minute classes 5 Days/Week, Full Year 2 Credits

The CTE curriculum for Theater and Film: Production and Design I and II each cover common and accepted competencies associated with national and state-based Art standards. CHS students who successfully complete Theater and Film: Production and Design I and II earn credit towards graduation expectations related to art. Sending school students can petition their home school to seek a similar structure. Some are already approved.

As a Theater and Film student you will have the opportunity to develop your creative expression and technical skills in live performances and digital recorded media. This innovative program is designed for the new generation of storytellers, providing a hands-on, interactive approach to the craft of entertainment and performance. Students need to choose one of the two pathways.
As a **Production and Design Pathway** student, you will learn the “behind the scenes” professional skills related to creating theater, film and digital media productions. Technical skills emphasized include: set design, digital audio and lighting, props and costuming. Students also develop core artistic and management skills related to professional filmmaking (new in 2018/19), including lighting, sound and camera techniques, and use of video editing software (Adobe Premiere Pro CC).

As an **Acting Pathway** student, you’ll learn professional stage and acting techniques while working with different types of scripts and settings. A major focus of the program involves students getting constant and specific feedback on their performances in accordance with industry expectations. You’ll also learn script-writing techniques, and develop basic professional film editing skills (using Adobe Premiere Pro CC), that will enable you to build a college and career-ready portfolio.

*Suggested Prerequisite courses:* Full course load aligned to preparing for a 4-year college
*Suggested Simultaneous courses:* Physics, Construction Trades, Electronics, Sewing, CAD, Drafting

**CRTC+: OFFERINGS BEYOND CORE CRTC PROGRAMS:**

CRTC+ puts you in charge of building the kind of senior year that will give you a head start on your personal college and career plans. While you remain a full-time high school student (with all associated privileges), we will work with you to create a customized schedule that goes beyond your mainstream high school classes by blending advance coursework with deep work-based learning experiences. CRTC+ students gain an unmistakable sense of pride, purpose and maturity by gaining control of their education and career development.

Your CRTC+ experience can be a mix of any of the following options:

- Replace regular high school class(es) with on-campus CCSNH class(es) in your chosen career or college pathway.
- Work on an expanded internship or pre-apprenticeship.
- Pursue an advanced industry-recognized certificate or license.
- Assume an expanded role in our in-house businesses: Automotive Technology Shop (Auto+), Crimson Tide Preschool (Education and Behavioral Science+) and Crimson Cafe (Culinary & Pastry Arts+) by doubling class time in your senior year.
- Enroll in our customized Career Communication (CRTC) class for .5 or 1.0 English credit

For students that are interested in CRTC+ options, Concord High School has Extended Learning Opportunity (ELO) guidelines that are already established which provide a structure for most activities. Here are some credit-bearing examples:

- A student wants to complete a basic job shadow or internship beyond what is offered in our program. The student would complete a blog to track the experience and do some sort of formal reflection on what they learned.
- A student wants to innovate and engage in some sort of industry-based activity or even start their own business. The student would complete a blog to track the experience and do some sort of formal reflection on their learning outcomes.
- A student engages in a formal, contained outside learning activity. For example, he/she takes a certificate program training related to their CRTC program. Student would solely need to demonstrate completion of the program (certificate).
- A student takes a course at local community college or an online course related to their CRTC career program. The student would solely need to demonstrate successful completion of the program (transcript).
A student is actively working in their chosen industry and is engaged in activities related to program competencies (oftentimes this is called a co-op). The student would complete a blog to track the experience and do some sort of formal reflection on learning.

Stop by, call or email the CRTC Office at 603-717-7654 or email info@thecrtc.net to learn more.

**CAREER COMMUNICATIONS (CRTC/ELO OPTIONAL) – CT8015**

.5 to 1.0 English credits (depending on options selected) is offered as a semester or year-long class

Career Communications (CRTC) goes beyond punctuation, prepositions and parts of speech and connects you directly into the professional reading, writing and speaking tasks you'll be doing once you get on the job. You'll learn everything from how to give constructive criticism to how to run meetings, read trade journals, and write work orders, job evaluations, and professional emails. The course is customized to the specific program which the student is enrolled; for example, an Auto Tech student would focus on writing, presentation and communicating in the context of the automotive industry; a cosmetology student would likewise work in the context of that specific industry; otherwise projects and presentations would not be the same for all students. For example, an accident report in Criminal Justice is very different than a work proposal in the Construction Trades field.

This personalized course, available to all CRTC students (CHS and sending schools) can be taken any time AFTER completing one semester of a CRTC program (most students take it in their senior year). The student must be in good standing and have demonstrated solid soft skills as there is a significant degree of independence and maturity required, by the nature of the course.

Students may also choose the ELO option for an additional .5 credits. The ELO project would involve outside research. Additional support would be provided by the student's CRTC program teacher; in addition to the English teacher for this course.

Students who complete this course further ready themselves for college and career success. They develop specific career communication skills to enhance their resume and general readiness. Career Communications (CRTC/ELO) ultimately gives students a leg up and prepares them to stand out as they pursue (and compete for) career-related opportunities.
STATEMENT OF NON-DISCRIMINATION

Applicants for admission and employment, students, parents, employees, sources of referral of applicants for admission and employment, and all unions or professional organizations holding collective bargaining or professional agreement with the Pittsfield School District are hereby notified that the District does not discriminate on the basis of race, creed, color, national origin, disability, sex, marital status, age and/or sexual orientation in admission or access to, or treatment of employment in, its programs and activities. Any person having inquiries or complaints concerning the School District's compliance with the District's Non-Discrimination policy or written regulations implementing Title VI (discrimination on basis of race, color or national origin), Title IX (sex discrimination), or Section 504 (discrimination on the basis of disability) and/or the Americans with Disabilities Act is directed to contact the Office of the Principal, Pittsfield Middle High School, 23 Oneida Street, Pittsfield, NH 03263. The Office of the Principal had been designated by the Pittsfield School District to coordinate the District's efforts to comply with the District's above-stated Non-Discrimination policy and regulations implementing Title VI, Title IX, and Section 504 of the Rehabilitation Act of 1973, the Americans with Disabilities Act, and State Law.